



INSTITUTE REPORT NO. 217

ACUTE ORAL TOXICITY
OF (E)-1,2,3,4-TETRAHYDRO-6-METHYL-1-(2-METHYL-1-OXO-2-BUTENYL)
QUINOLINE (CHR5) IN MALE AND FEMALE RATS

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TOXICOLOGY BRANCH
DIVISION OF COMPARATIVE MEDICINE
AND TOXICOLOGY



MARCH 1986

Toxicology Series 90

LETTERMAN ARMY INSTITUTE OF RESEARCH PRESIDIO OF SAN FRANCISCO, CALIFORNIA 94129

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Acute Oral Toxicity of (E)-1,2,3,4 tetrahydro-6-methyl-1-(2-methyl-1-oxo-2-butenyl) quinoline (CHR5) in Male and Female Rats (Toxicology Series 90)--Morgan, Hiatt, Lewis, and Korte

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The acute oral toxicity of (E)-1,2,3,4-tetrahydro-2-Butenyl) Quinoline (CHR5) was determined in Spra	igue-Dawley rats by using the
oral gavage single-dose method. The LD50 was 2.73 2.22 g/kg for female rats. CHR5 produces a syndro	ome of general malaise and
appears to target the upper gastrointestinal tract system. The predominate GI sign was increased sa	livation. CNS signs included
loss of equilibrium, twitching, tremors, hypotonia grasping, pinch, pull, and righting reflexes.	

ABSTRACT

The acute oral toxicity of (E)-1,2,3,4-tetrahydro-6-methyl-1-(2-methyl-1-oxo-2-butenyl) quinoline (CHR5) was determined in Sprague-Dawley rats by using the oral gavage single-dose method. The LD $_{50}$ was 2.73 g/kg for male rats and 2.22 g/kg for female rats. CHR5 produces a syndrome of general malaise and appears to target the upper gastrointestinal tract and the central nervous system. The predominant GI sign was increased salivation. CNS signs included loss of equilibrium, twitching, tremors, hypotonia, and depression of the grasping, pinch, pull, and righting reflexes.

KEY WORDS: Acute Oral Toxicity, Insect Repellent, Toxicology, (E)-1,2,3,4-Tetrahydro-6-Methyl-1-Oxo-2-Butenyl) Quinoline, Rats

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PREFACE

TYPE REPORT: Acute Oral Toxicity GLP Study Report

TESTING FACILITY: US Army Medical Research and Development Command

Letterman Army Institute of Research Presidio of San Francisco, CA 94129-6800

SPONSOR: US Army Medical Research and Development Command

Letterman Army Institute of Research Presidio of San Francisco, CA 94129-6800

WORK UNIT: Development of Repellents vs. Medically Important

Anthropods, WU 145, APC FL05

GLP STUDY NUMBERS: 83016 and 84016

STUDY DIRECTOR: MAJ Don W. Korte Jr, PhD, MSC

PRINCIPAL INVESTIGATOR: CPT Earl W. Morgan, DVM, VC

Diplomate of American College of Veterinary Preventive Medicine

CO-PRINCIPAL INVESTIGATOR: Gerald F.S. Hiatt, PhD

Carolyn M. Lewis, MS

PATHOLOGIST: LTC Lance O. Lollini, DVM, VC

Diplomate of American

College of Veterinary Pathologists

DATA MANAGER: Carolyn M. Lewis, MS

REPORT AND DATA MANAGEMENT: A copy of the final report, study

protocol, retired SOPs, raw data,

analytical, stability, and purity data of

the test compound, tissues, and an aliquot of the test compound will be

retained in the LAIR Archives.

TEST SUBSTANCE: (E)-1,2,3,4-Tetrahydro-6-Methyl-1-(2-Methyl-1-0xo-2-

Butenyl) Quinoline (CHR5)

INCLUSIVE STUDY DATES: 18 November - 16 December 1983

25 April - 16 May 1984

OBJECTIVE: The objective of this study was to determine the acute

oral toxicity of CHR5 in male and female Sprague-Dawley

rats.

ACKNOWLEDGMENTS

The authors wish to thank SP5 Thomas P. Kellner, BS; SP5 Lawrence Mullen, BS; SP4 Paul Mauk, BS; Valerie Coppes, BS, Edward Sands, Susan Hernandez, Roosevelt Cunningham, and Rick Katona for their assistance in performing this research.

MANAGES STREET, STREET, SECTION SECTION

SIGNATURES OF PRINCIPAL SCIENTISTS AND MANAGERS INVOLVED IN THE STUDY

We the undersigned, declare that GLP Study 83016 and 84016, was performed under our supervision, according to the procedures described. herein, and that this report is an accurate record of the results obtained.

MAJ, MSC Study Director

DAC

Co-Principal Investigator

CPT, VC

Principal Investigato

CAROLYN M. LEWIS, MS / DATE

Data Manager and

Co-Principal Investigator

DVM / DATE

LTC. VC

Pathologist

DAC

Analytical Chemist



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DEPARTMENT OF THE ARMY

LETTERMAN ARMY INSTITUTE OF RESEARCH PRESIDIO OF SAN FRANCISCO, CALIFORNIA 94129-6800

REPLY TO

SGRD-ULZ-QA

9 January 1986

MEMORANDUM FOR RECORD

SUBJECT: Report of GLP Compliance

1. I hereby certify that in relation to LAIR GLP Studies 83016 and 84016 the following inspections were made:

GLP Study 83016:

29 November 1983

30 November 1983

GLP Study 84016:

30 April 1984

3 May 1984

14 May 1984

2. The reports and raw ${
m data}$ for these studies were audited on 10 October 1985

SARY L. DUTCHER

SSG, USA

Quality Assurance Unit

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Acute Oral Toxicity of (E)-1,2,3,4-Tetrahydro-6-Methyl-1-(2-Methyl-1-Oxo-2-Butenyl) Quinoline (CHR5) in Male and Female Rats--Morgan et al

The goal of the insect repellent program is to develop better insect repellents for the protection of soldiers from insects and insect-borne diseases in the field. In the last several years the Division of Cutaneous Hazards, Letterman Army Institute of Research (LAIR), has tested a large number of chemical compounds, submitted by SRI International, the US Department of Agriculture (USDA), and private industry, against a variety of mosquitoes, sand flies, fleas, ticks, and mites in both in vitro and in vivo test systems. Several of these materials have shown sufficient repellent activity and persistence on the skin of animals to warrant consideration for use in lieu of, or in conjunction with, the current troop-issue insect repellent, 71.25% N, N-diethyl-m-toluamide (m-DEET) in ethanol. One of these new formulations, (E)-1,2,3,4-tetrahydro-6-methyl-1-(2-methyl-1oxo-2-butenyl) quinoline (CHR5), was more persistent than the current troop-issue repellent in efficacy tests on animals and was therefore submitted for pre-clinical toxicity testing.

Objective of Study

The objective of this study was to determine the acute oral toxicity of CHR5 in male and female Sprague-Dawley rats.

MATERIALS

Test Substance

Chemical name: (E)-1,2,3,4-Tetrahydro-6-Methyl-1-(2-Methyl-1-0xo-2-Butenyl) Quinoline (CHR5)

Chemical Abstract Service Registry No.: None

Molecular formula: C₁₅H₁₉NO

The test compound was supplied through Mr. L. Rutledge, Division of Cutaneous Hazards, Letterman Army Institute of Research from a sample he received from Starks Associates Inc., Buffalo, NY. The test chemical was refrigerated when not in use. Other test substance information is presented in Appendix A.

Vehicle

Second Sections ANNIES CONTROL PROGRAM

None

Animal Data

Sixty-six male and 53 female Sprague-Dawley rats (Bantin Kingman, Fremont, CA) were studied. They were identified individually with ear tags numbered 83D00632 - 83D00697 and 84D00917 - 84D00969 inclusive. Two males and 2 females were selected for quality control necropsy evaluation at receipt. The male weights on receipt (18 November 1983) ranged from 126 to 170 g. The female weights on receipt (25 April 1984) ranged from 125 to 179 g. Additional animal data appear in Appendix B.

Husbandry

Rats were caged individually in stainless steel wire mesh cages in racks equipped with automatically flushing dumptanks. No bedding was used in any of the cages. The diet, fed ad libitum, consisted of Certified Purina Rodent Chow Diet 5002 (Ralston Purina Company, Checkerboard Square, St. Louis, MO); water was provided by continuous drip from a central line. The male room temperature was maintained in a range from 21.2°C to 22.2°C with a relative humidity range of 40 to 60 percent with two spikes to 88 percent. The female room temperature was maintained in a range from 22.8°C to 25°C with a relative humidity range of 40 to 56 percent. The photoperiod was 12 hours of light per day.

METHODS

Group Assignment/Acclimation

Study rats were randomized into 6 dose groups of 9 males, 5 dose groups of 10 females, and a cage control group of 5 males. Allocation was accomplished by using a computer-based stratified, weight-biased method. The Beckman TOXSYS Animal Allocation Program was used in conjunction with a Beckman TOXSYS Data Collection Terminal. The males were acclimated for 11 days and the females for 7 days before the day of dosing. During this period they were observed daily for signs of illness. The males were acclimated to dosing by performing practice oral sterile gavage once during the quarantine period. Observation of the males indicated that this procedure alerted the animals and made

them wary and difficult to handle during the actual dosing. Therefore this procedure was eliminated for the females.

Dosage Levels

Dose levels were based upon preliminary LD studies (GLP Study 82018 and GLP Study 83007) conducted by this laboratory in June 1982 and October 1983. Table 1 lists the selected dose levels. The Group 6 (males) dose level was selected based on the preliminary results of Groups 1 to 5. These animals were dosed 2 days after the others.

Table 1 CHR5 Dosages

Group	Do	sage Level gm/kg
	Males	Females
1	2.0	1.78
2	3.0	2.37
3	4.0	3.16
4	5•0	4.22
5	6.0	5•62
6	1.0	
7 (cage control)		

Compound Preparation

At room temperature CHR5 is a soft white powder soluble in organic solvents such as ethanol. Since it melts between 37.0 and to 37.5°C, CHR5 was administered to the animals as a liquid by maintaining it at a temperature of 40 to 42°C during dosing.

Chemical Analysis of Dosing Solution

Since dosing of the animals required that the CHR5 be maintained as a liquid for one hour, a stability analysis of the liquified test compound was performed. A sample of the compound was incubated at 40°C for 16 hours. Samples removed before and after incubation were analyzed by gas chromatography (GC) and infrared spectroscopy (IR).

Identical GC retention times and IR spectra demonstrated that decomposition does not occur under these conditions (LAIR Laboratory Notebook No. 84-05-010.1, p 49).

Test Procedures

ACCOUNT AND DESCRIPTION OF THE PROPERTY OF THE

This study was conducted in accordance with EPA guidelines (1) and LAIR SOP OP-STX-36 (2).

The volume of dosing solution each animal received was based upon the desired dose level, and the animals weight. The dose level was increased volumetrically. Volumes ranged from 0.20 to 1.47 ml in the males and 0.25 to 1.06 ml females. The cage control group was untreated. Dosing was performed by the oral gavage method without animal sedation or anesthesia. Sterile disposable syringes (Becton, Dickenson & Co, Rutherford, NJ) fitted with 16-gauge, 3-inch, ball-tipped feeding tubes (Popper & Sons, Inc., New Hyde Park, NY) were utilized. All males, except Group 6, were dosed between 0845 and 0945 hours on 30 November 1983. Group 6 males were dosed between 0859 and 0909 hours on 2 December 1983. All females were dosed between 0840 and 0952 on 2 May 1984.

Observations

Observations for mortality and signs of acute toxicity were performed daily according to the following procedure: (a) animals were observed undisturbed in their cages, (b) animals were removed from their cages and given a physical examination, and (c) animals were observed after being returned to their cages. On the day of dosing, the rats were checked intermittently throughout the day. Recorded observations were performed 1, 2, and 4 hours after dosing and daily for the remainder of the 2-week test period. A second "walk through" observation was performed daily with only significant observations recorded. Body weights were recorded twice weekly for the males and weekly for the females during the course of the studies.

Necropsy

Animals that died during the observation period were submitted for a complete gross necropsy. Those which survived the 14-day study period were submitted for necropsy immediately after sacrifice by barbituate overdose.

Statistical Analysis

Statistical analyses were performed on the study results. The ${\rm Lb_{10}}$, ${\rm LD_{50}}$, and ${\rm LD_{90}}$ were derived by probit analysis, according to the maximum likelihood method as described by Finney (3). The program, PROBIT, developed for the Data General Computer, Model MV8000, was used to determine the probit curve and lethal dose values.

Duration of Study

Appendix C is a complete listing of historical events.

Changes/Deviations

The dosing phase of this study was accomplished according to the protocol and applicable amendments with two exceptions. Since Group 6 males were dosed 2 days after the other groups, the sacrificing of this group was correspondingly delayed 2 days to allow 2 full weeks for the after-dosing observations. Secondly, the cage controls were not weighed on Day 0. Since these animals were not dosed, the weighing was inadvertently overlooked. This change had no effect on the study.

Raw Data and Final Report Storage

A copy of the final report, study protocols, raw data, retired SOPs, and an aliquot of the test compound will be retained in the LAIR Archives.

RESULTS

Mortality

Twenty-two (34%) of the deaths occurred between 4 and 11 hours after dosing. Forty-one (63%) of the deaths occurred between 12 and 23 hours after dosing. The remaining two animals were found dead on the morning of the second day (between 36 and 47 hours after dosing). Table 2 lists the compound related deaths by group and the percent mortality. Appendix D is a tabular presentation of cumulative mortality.

Table 2
Compound Related Deaths by Group

MALE GROUP	Dose Level gm/kg	Compound Related Death/ Number in Group	Percent Mortality
6	1.0	0/9	0
1	2.0	2/9	22
2	3.0	4/7*	57
3	4.0	8/8*	100
4	5•0	7/9	78
5	6•0	9/9	100
7	Cage Control	0/5	0
'EMALE GROUP			
1	1.78	3/10	30
2	2.37	6/10	60
3	3-16	8/10	80
4	4.22	8/10	80
5	5•62	10/10	100

^{*}Reduced numbers in groups were due to one or more misdosed animals which were excluded from statistical analysis and removed from the study.

Lethal Dose Calculations

Lethal dose values were calculated by probit analysis and the equation for the probit regression line was: $Y = 2.58 + 5.54 \log X$ for males and $Y = 3.44 + 4.50 \log X$ for females, where X is the dose and Y the corresponding probit value. Misdosed animals were excluded from statistical analysis and eliminated from the study. Lethal doses calculated from the equation for the probit regression line are presented in Table 3. Figures 1 and 2 graphically present the actual data points and the regression line.

Table 3
Calculated Lethal Doses (LD) of CHR5

Effect Level	Dose (g/kg)	95% Confidence Limits (g/kg)
MALES		
LD ₁₀	1.61	(0.95, 2.70)
^{LD} 50	2.73	(2-10, 3-56)
rn ⁹⁰	4.66	(3.25, 6.67)
FEMALES		
LD ₁₀	1.15	(0.40, 2.90)
^{LD} 50	2 • 22	(1.56, 3.17)
_{LD} 90	4 • 28	(2.52, 7.27)

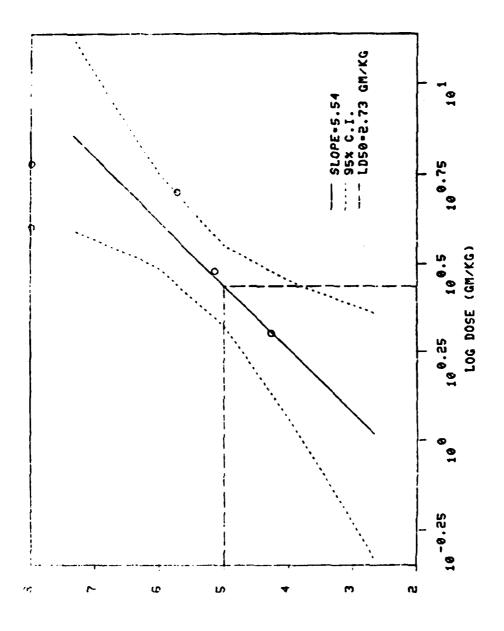


FIGURE 1 - DOSE RESPONSE CURVE - CHR5 in Male SD Rats

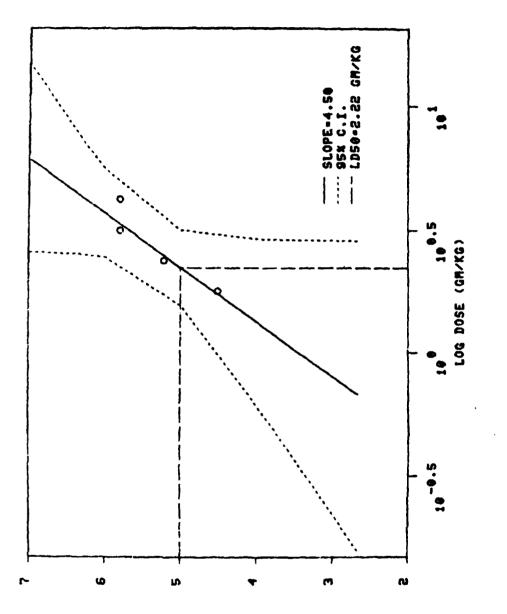


FIGURE 2 - DOSE RESPONSE CURVE - CHR5 in Female SD Rats

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Clinical Observations

The clinical signs associated with CHR5 administration could be grouped into three general catagories, gastrointestinal (GI), central nervous system (CNS), and general malaise. GI symptoms (74 of 101 animals dosed) included increased salivation/staining of muzzle (69 of 101) and diarrhea (15 of 101). CNS symptoms (55 of 101) included loss of equilibrium/staggering, twitching, tremors, hypotonia, and depression of the grasping, pinch, pull, and righting reflexes. All animals, with the exception of one high-dose female (84D00942) moribund at the 1-hour observation, exhibited signs of general malaise. Symptoms included in this category were inactivity (79 of 101), hunched posture (88 of 101), rough or dirty coat (69 of 101), and irritability (15 of 101). However, there was no recognizable dose-response relationship among the recorded clinical observations. With the exception of Group 6 males, clinical signs were present at the same frequency in all dosed groups.

The development of a mild upper respiratory infection in the males during the second week of the study accounted for the majority of the respiratory signs recorded. The respiratory signs were: changes in respiratory rate, depth, and/or rhythm (24 of 101), and nasal and/or ocular discharges (24 of 101). Twelve of the 21 surviving males had developed slight nasal and/or ocular discharges by the conclusion of the study.

Urinary staining of the perineum and ventral surfaces were noted in 25 of the 50 females dosed. Tables 4 and 5 contain a summary of clinical observations. Appendix E contains individual animal histories.

Weight gains of survivors were not significantly affected by dosing. Table 6 presents the mean body weights by groups. Appendix F contains individual weight tables.

Table 4

Incidence Summary for Clinical Observations in Male Rats administered CHR5

Clinical	Group	9	-	7	٣	4	2	7
Signs	Dose g/kg	1.0	2.0	3.0	0.4	5.0	0.9	Control
	(u=)	6	σ	7	∞	6	6	\$
* Respiratory		0	5	9	က	7	2	0
Gastrointestinal [†]		-	7	9	∞	6	7	0
Central Nervous System	/stem‡	0	S	7	9	2	5	0
Rough Coat		2	7	9	7	6	6	H
Discharge, nasal and/or ocular		7	4	m	2	ဗ	-	0
Hunched posture		0	7	5	9	6	6	0
Irritable		0	-	7	3	-	4	0
Inactive		7	œ	7	∞	6	6	0

* Includes changes in rate, depth and rhythmicity. Includes increased salivation, mouth stains, diarrhea and perianal staining.

tremors/twitching and depression of grasping, pinch, pull and righting reflexes. Includes loss of equilibrium/staggering, hypotonia, hyperactivity,

Table 5

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Incidence Summary for Clinical Observations in Female Rats administered CHR5

2	5.62	10	-	9	6	7	-	0	0	∞	4
7	1.78 2.37 3.16 4.22 5.62	10	2	œ	9	Ŋ	7	6	-	œ	5
m	3.16	10	7	œ	9	Ŋ	0	6	-	9	9
7	2.37	10 10	0	œ	9	4	0	6	-	4	9
-	1.78	10	0	9	5	5	2	7	1	5	4
Group	Dose g/kg	(n=)		inal [†]	7ous System‡		iasal ilar	ure			
Clinical	sugre		Respiratory	Gastrointestinal [†]	Central Nervous System	Rough Coat	Discharge, nasal and/or occular	Hunched posture	Irritable	Inactive	Urine stains

Includes changes in rate, depth and rhythmicity.

 $^{^{\}dagger}$ Includes increased salivation, mouth stains diarrhea, and perianal staining.

tremors/twitching and depression of grasping, pinch, pull and righting reflexes. Includes loss of equilibrium/staggering, hypotonia, hyperactivity

Table 6

Mean Body Weights In Grams + S.E.*

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Dose mg/kg 1 2 3 4 4 5 6 6 Cage Control	Receipt 150.2 + 3.43 (9) 156.0 + 2.61 (9) 153.2 + 4.28 (9) 153.4 + 3.07 (9) 151.6 + 4.06 (9) 152.1 + 3.37 (9) 155.8 + 2.85 (5)	Day 0 226.9 ± 5.75 225.1 ± 6.15 229.4 ± 5.50 224.6 ± 4.40 225.9 ± 5.24 222.1 ± 5.04 225.9 ± 5.24	MALE (9) (9) (9) (9) (9) (9) (9) (5)	6 t 6 t 6 t 6 t 6 t 6 t 6 t 6 t 6 t 6 t	7.47 7.47 10.59 0.50 5.78
	146.7 + 4.08 (10)	161.7 ± 3.80	(10)	200.3 + 4.33 (7)	191.0 + 4.76 (7)
	150.8 + 2.84 (10)	167.0 ± 3.60	(10)	203.3 + 6.94 (4)	193.0 + 9.25 (4)
	152.	167.3 ± 3.60	(10)	2.8.0 + 20.04 (2)	215.0 + 19.00

Gross Pathological Observations

The mortalities which occurred after dosing appear to have been caused by the test compound. Test-related lesions were found only in the digestive system. The veterinary pathologist's report appears in Appendix G.

DISCUSSION

The calculated LD for CHR5 was 2.73 g/kg in male Sprague-Dawley rats and 2.22 g/kg in female Sprague-Dawley rats. These LD values are within the slightly toxic range (4).

Clinical signs indicated CHR5 produces a syndrome of general malaise. The specific signs were inactivity, rough or dirty hair coat, hunched posture, and irritability. The compound also appeared to target the gastrointestinal tract and the central nervous system. It affected primarily the upper GI tract with increased salivation being the major sign. This was consistent with necropsy findings that the predominate lesions involved the upper GI tract. CNS signs included loss of equilibrium or staggering, twitching, tremors, hypotonia, and depression of the grasping, pinch, pull, and righting reflexes.

CONCLUSION

CHR5 is a "slightly toxic" compound that produces a general malaise and specific effects on the CNS and GI tract. Calculated LD $_{\rm 50}$ values were 2.73 g/kg in male Sprague-Dawley rats and 2.22 g/kg in female Sprague-Dawley rats.

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Appendices

CHEMICAL DATA

Chemical Name: (E)-1,2,3,4-Tetrahydro-6-Methyl-1(2-Methyl-1-0xo-2-

Butenyl) Quinoline (CHR5)

Code Name: (CHR5)

Chemical Abstract Service Registry No.: None

Structural formula:

Molecular formula: C₁₅H₁₉NO

Molecular weight: 229

pH: Non-Aqueous

Physical state: White crystalline solid

Stability: Unknown but presumed to be stable at room temperature

Melting point: 37 - 37.5°C

Compound density: Determined to be 0.99 gm/ml

Name of contaminants and percentages: Unknown

Manufacturer: Starks Associates, Inc

1280 Niagara Street

Buffalo, New York 14213

Lot No.: 0205

Analytical data/purity: Infrared spectrophotometries were performed

on 3 January 1984 and 17 May 1984 and were identical with previous IRs performed at LAIR. Major peaks in the IR spectrum were observed at 2940 (broad), 1635, 1500, 1370,

1265, 1200, 1160, 820, and 740 cm^{-1} .

ANIMAL DATA

Species: Rattus norvegicus

Strain: Sprague-Dawley

Source: Bantin Kingman

Fremont, CA

Sex: Male and female.

Date of birth: Male: 7 October 1983

Female: 14 March 1983

Method of randomization: Weight bias, stratified animal allocation

Animals in each group: 9 male and 10 female animals

5 males for control group

Condition of animals at start of study: Normal

Body weight range at dosing: 139-252 g

Identification procedures: Ear tag, tag numbers between 83D00632 to

83D00697 and 84D00917 to 84D00969

inclusive.

Retest conditioning: Quarantine/acclimation 18 November-29 November

1983 for males and 25 April-1 May 1984 for

females.

Justification: The laboratory rat has proven to be a sensitive and

reliable system for lethal dose determination.

HISTORICAL LISTING OF STUDY EVENTS

MALES

Date	Event
18 Nov 83	Received 66 male Sprague-Dawley rats. Rats were checked for physical condition, sexed, weighed, ear-tagged, and individually caged.
19 Nov 83	Two rats were submitted for necropsy quality control.
19-29 Nov 83	Animals were observed daily.
29 Nov 83	Animals weighed and randomized into dose groups.
30 Nov 83	Group 2-5 animals weighed, dosed, and observed at 1, 2 and 4 hours after dosing.
2 Dec 83	Group 6 animals weighed, dosed, and observed at 1,2 and 4 hours after dosing.
1-13 Dec 83	Group 1-5 animals were observed daily in AM and PM.
2,6,9, Dec 83	Group 1-5 animals weighed.
2,5,8,11 Dec 83	Group 6 animals weighed.
14 Dec 83	Group 1-5 surviving animals were weighed, observed, sacrificed, and submitted for necropsy.
16 Dec 83	Group 6 animals were weighed, observed, sacrificed, and submitted for necropsy.

HISTORICAL LISTING OF STUDY EVENTS

FEMALES

Date	Event
25 Apr 84	Received 53 female Sprague-Dawley rats. Rats were checked for physical condition, sexed, weighed, ear-tagged, and individually caged.
26 Apr 84	Two rats were submitted for necropsy quality control.
26 Apr-1 May 84	Animals were observed daily.
30 Apr 84	Animals weighed and randomized into dose groups.
2 May 84	Animals weighed, dosed, and observed at 1, 2 and 4 hours after dosing.
3-15 May 84	All animals were observed daily in AM and PM.
9 May 84	All animals weighed.
16 May 84	All surviving animals were weighed, sacrificed, and submitted for necropsy.

Cumulative Mortality Data (Deaths/Group) Time After Dose

Dose	Dose Level			Ho	Hours						Days	ys.								
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Cumulative Mortality Data (Deaths/Group) Time After Dose

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	11:46:40	0055257		NORMAL
5/05/84	9:13:30	6045130		NORMAL
5/04/84	6:58:62	0035743		
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UBSERVATIONS	MEIGHT UPERATUR (GRAMS) CLINICAL OBSERVATIONS	***************************************	0035745	0035743	0035743	0010186	0035743
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SEX: FEMALE GRUUP: GHUUP 2 CLINICAL OSSERVATIONS	* NO UBSERVATIONS RECORDED.	NORMAL	Jeff 2017	NORMAL	NOMMAL	NOR4AL SOCIAL	NOTALA NOTALA	NOSWAL L	NORMAL	IMAITABLE SLIGHT	HOUGH COAT SEIGHT, TRRITABLE SEIGH	MOUGH COAT SELENT.	INCHEASED SALIVATION SLIGHT, HYPERACTIVE SLIGHT	MUNCHEU POSTURE SLIGHT, RUUGH COAT SLIGHT	HUNCHED POSTURE SIGHT, RUCH COAL SILGHI	HONCHED POSICIAL	* NO COURTY - I LOND METCHPEC.	SEX: FEMALE GROUP: GROUP 2		CLINICAL UBSERVATIONS	* NO UBSERVATIONS RECURDED.	NORMAL	NORMAL NORMAL	NORMAL	I I I I I I I I I I I I I I I I I I I	NOTA	NORMAL	NORMAL	NORMAL	NOTES A		HUUGH CUAT SEIGHT	MUNCHED POSTURE MARKED, RUDGH COAT MODERATE, STAIN URINE PERIANAL MODERATE,	BATCHIAL NEW WOULD MUDICHAIN SAITUATION SITCHT WINNIED DORTHOR SITCHT		TUNCAEO POSTUKE SELIGAT	* NO OBSERVATIONS RECURDED.
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SPECIES: D S UBSERVATIONS AEIGHT UPERATUR (GRAMS)	0084794	0035743	0035743	0049225	0044225	0032743	0035743	0042232	0035745	0053257	0045130	0055745	577500	0035743	0010186	0035743	0035743		CROTI VANACAO	UPERATUR (GRAMS)	0084799	0035743	0035743	0035/45	0049225	0035745	0035745	0042232	0042232	0055745	0045130	6035743	0035743	9974800	0010186	0035745	0035743
84000917	12:56:10	77:17:0	5.57:02	10:11:18	4:27:26	9:47:04	6:37:02	6:54:50	6:45:16	11:44:42	9::60:6	6:53:48	21:11:7	13:59:10	11:10:54	9:28:52	7:54:55	84000919		TIME	12:42:52	6:43:06	6:56:66	6:55:48	9:58:10	6:47:26	6:37:28	6:53:18	6:55:54	11.45.28	9:10:48	6:55:12	7:14:50	62:60:01	11:11:26	9:30:34	7:54:02
A'1/MAL ID: 84000917 DATE TIME	5/16/84	5/16/84	5/15/84	5/13/64	5/12/84	5/11/84	5/10/84	3/07/07	5/01/84		5/05/64	19/10/5	2/02/84	5/05/84	5/05/84	5/05/84	5/05/84	ANIMAL ID: 84000919		DATE	5/16/84	5/16/84	5/15/84	7/14/84	3/12/84	5/11/84	5/10/84	5/09/84	2/08/84	3/0/8	3/00/0	5/04/84	2/03/84	5/10/40			5/02/84

DATE TIME UPERATUR (GRAMS) CLINICAL OBSERVATIONS	18:29:00 UUIUIBE DEATH MORIBUND.INCREASED SALIVATION MARKED 14:11:28 UU35743 MURIBUND.INCREASED SALIVATION MARKED 11:17:56 UU10186 MURIBUND.INCREASED SALIVATION MARKED 9:41:26 UU35745 ROUGH COAT SLIGHT,HUNGHED PUSIURE SLIGHT,STAIN URINE PERIANAL SLIGHT, 11:55:UB UU35745 167.U * NG OBSERVATIONS WECORDED.	A-IMAL ID: 84DOUG46 SPECIES: D SEX: FEMALE GROUP: GROUP 2 UDSERVATIONS DATE TIME UPERATUR (GRAMS) CLINICAL OBSERVATIONS	b:58:30 0035743 DEATH INCREASED SALIVATION SLIGHT, IMACTIVE MARKED, HYPOTONIA MARKED 11:434:00 0035743 INCREASED SALIVATION SLIGHT INTIBE MARKED, HYPOTONIA MARKED 11:43:435743 INCREASED SALIVATIONS RECORDED.	: 84000947 SPECIES: D SEX: FEMALE GROUP: GRUIP 2 Observations Aeight Time Uperatur (Ghams) Clinical Daservations	0084799 0035743 0035743 0035743 0049225 0049225 0045744 004225 00425745 00425745	9:14:00 0045130 NORMAL 9:14:00 0045130 NORMAL 6:59:14 0035743 NORMAL 17:55:22 0035743 HUNCHED POSTURE MAKKED,STAIN KED MOUTH SLIGHT 11:44:46 0010185 HUNCHED POSTURE MAKKED,STAIN RED MOUTH SLIGHT,STAIN URINE PERIANAL MUDERATE 10:12:20 0035743 HUNCHED POSTURE SLIGHT 10:12:20 0035743 148.0 * NO 0035RVATIONS RECURVED.
3w11	18:29:00 14:11:28 11:17:56 9:41:26 7:55:08	B4D00946 TIME	6:58:30 14:34:00 11:43:50 10:11:42 7:55:50	34000947 TIME	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9:14:00 6:54:14 7:35:32 4:55:34 1:44:48 0:12:20
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SEX: FEMALE GROUP? CLINICAL UBSERVATIONS	* NO UBSERVATIONS RECUMDED. * NO UBSERVATIONS RECUMDED. * NO WHAL	HUNGHED POSTURE SLIGHT NORMAL STAIN URINE PERIANAL MARKED, HUNCHED PUSTURE SLIGHT, STAIN RED HUUTH SLIGHT STAIN URINE PERIANAL MARKED, HUNCHED PUSTURE SLIGHT, DEPRESSED GRASPING REFLEX SLIGHT, TREMORS SLIGHT HUNCHED POSTURE HUNCHER, STAIN RED MUUTH SLIGHT, INACTIVE HUDERATE, DEPRESSED GRASPING HEFLEX SLIGHT STAIN NED MUUTH SLIGHT, HUNCHED POSTURE SLIGHT * NO OBSERVATIOHS RECORDED. SEX: FEMALE GROUP: GRUUP & CLINICAL OBSERVATIONS	DEATH PROSTRATE HUNCHED POSTURE SLIGHT, TREMONS SLIGHT HUNCHED POSTURE SLIGHT NO OBSERVATIONS RECURDED. SEX: FEMALE GROUP: GNOUP 2 CLINICAL OBSERVATIONS	DEATH PROSTRATE PROSTRATE HUNCHED POSTURE SLIGHT NO OBSERVATIONS MECUNDED.
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SPECIES: D SEX: FEMALE GROUP: GROUP 2 OBSEHVATIONS WEIGHT UPERATOR (GHAMS) CLINICAL OBSERVATIONS	DEATH MUNICHUND HUNCHED POSTURE SLIGHT, MATERIAL RED MOUTH SLIGHT, INACTIVE SLIGHT HUNCHED POSTURE SLIGHT, HUNCHED PUSTUME SLIGHT, MATERIAL RED MOUTH SLIGHT, INACTIVE SLIGHT * NO OBSERVATIONS RECURDED.	SPECIES: D SEX: FEMALE GROUP: GROUP 2 UBSERVATIONS MEIGHT WEIGHT UPENATUR (GRAMS) CLINICAL OBSERVATIONS	DEATH HOOGH COAT SLIGHT,STAIN URINE PERIANAL SLIGHT,HUNCHED POSTURE MODERATE, HONGTIVE MUDERATE HONGT CUAT SLIGHT,STAIN URINE PERIANAL SLIGHT,HUNCHED POSTURE MODERATE * NO OUSERVATIONS RECONDED.
SEX: CLINI	MUNCH HUNCH HYPOTH NO NO	3EX: CL INI	DEATH MORIB ROUGH INACT NOUGH
S: D S LONS WEIGHT (GRAMS)	173.0	S: D S ONS WEIGHT (GRAMS)	
SPECIES: D UBSEMVATIONS WEIGH UPERATOR (GRAN	0035743 0035743 0010186 0035743	SPECIES: D UBSERVATIONS NEIGH OPERATUR (GRAM	0010186 0055745 0010186 0035743
84D00964 T1AE	7:05:04 0035745 12:49:04 0035745 10:36:14 0035745 8:02:56 0035743	84000968 TIME	18:39:56 14:53:06 12:07:54 10:39:58 8:04:48
AVIMAL ID: 84D00964 DATE TIME	5/05/84 5/02/84 5/02/84 5/02/84 5/02/84	A'1144 IU: 84000468 DATE TIME	5/02/84 18:39:56 0010186 5/02/84 14:53:06 0045743 5/02/84 12:07:54 0010186 5/02/84 10:39:58 0035743 5/02/84 8:04:48 0035743

2		10ED.												HUNCHED POSTURE SUIGHT			INCREASED SALIVATION SLIGHT, MUNCHED POSTURE SLIGHT, STAIN URINE PERTANAL Slight	SED SALIVATION SLIGHT	ivto.	0UP 3					HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, HYPOTONIA SLIGHT, STAIN URINE	PERIANAL SLIGHT Muncheu Posture slight,inactive slight,hyputonia slight,stain urine			8 400					STAIN RED MOUTH SLIGHT, HUWCHED POSTUKE SLIGHT, TREMORS MODERATE, HYPOTONIA	HEALT POSTER A TOTAL		10£0.	
SEA: TEMALE GROUP, GROUP S	CLINICAL OBSERVATIONS	. NO OBSERVATIONS RECORDED.	NORMAL	NOWMAL	JANA	NOR 3AL	NOK MAL	A STOCK			TWENT THE THE	NURMAL	NOKMAL	HUNCHED POSTURE SCIENT	HUNCHED PUSTURE SELIGNI	SLIGHT, INACTIVE MODERATE, WHEEZING SLIGHT, 57	INCREASED SALIVATION SL. SLIGHT	INACTIVE SLIGHT, INCREASED SALIVATION SLIGHT	* NO OBSERVATIONS RECURDED.	SEX: FEMALE GROUP: GHOUP		CLINICAL OBSERVATIONS	11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	DOORTUATE	HUNCHED POSTURE SLIGHT,	PERIANAL SLIGHT MUNCHEU POSTURE SLIGHT,	PERIANAL GLIGHT * NO OBSERVATIONS RECURDED.		SEX: FEMALE GROUP: GHOUP		CLINICAL UBSERVATIONS	UEATH	MORIBUND	STAIN RED MOUTH SLIGHT,	STAIR RED MOUTH SLIGHT, HUNCHED POSTURE ALTONY	STAIN NED MOUTH SLIGHT	* NO DBSERVATIONS RECUMPED.	
SPECIES: U ERVATIONS AFIGHT	OPERATUR (GRAMS)		196.0						401										167.0	SPECIES: D EHVATIONS	MEIGHT	UPERATUR (GRAMS)				_	0.741		SPECIES: D Ervations		K (CHAMS)						163.0	
088	OPERATU	0084799	0035743	0035743	0035743	2225700	0049225	0035745	0035743	24444	0033745	0053257	0045130	0035745	0035743	0035743	0010186	0035743	0035745	280		UPERATI	10735700			0035745	8015743	3	UBSERVATIONS	2000	CPERATOR	0035745	0035745	0035743	0010186	0035743	0035743	
2200028	TIME	12:42:48	6:45:44	6:58:56	6:54:34	10:15:00	9:56:56	6:47:56	07:24	40.4	48:52	11:45:49	9:11:58	5:56:08	7:17:34	90:+0:+1	11:12:15	9:31:34	8:06:30	ANIMAL IO: AADUU922		11ME		7.7.7	11:15:04	9:34:50	A: 07:56		64000431	7 7 66	Jul -	11:33:58	7:29:16	14:15:58	11:21:38	9:46:54	8:09:42	
A:14AL 10: 84060420	0476	\$/16/84	5/16/84	5/15/84	5/14/84	5/13/84	5/12/84	5/11/84	5/10/84	70/70//	3/00/04	3/02/07	5/05/84	5/04/84	5/03/84	5/05/84	5/05/84	5/05/84	5/02/84	ANIMAL 10		DATE	***************************************	20,000	5/05/64	5/05/84	44/60/8	20/30/5	ALIMAL IU:	97 40		5/03/84	5/03/84	5/05/84	5/02/84	5/05/84	2/05/84	

	w 2				
	UEATH UNATIVE MUDERATE, INCREASEU SALIVATION SLIGHT, HYPOTONIA SLIGHT, UEPHESSED GRASPING REFLEX MODERATE, HUNCHED POSTURE SLIGHT, STAIN URINE PERANAL SLIGHT INACTIVE MUDERATE, INCREASED SALIVATION SLIGHT, HYPUTONIA SLIGHT, UEPHESSED GRASPING REFLEX MODERATE INACTIVE WARKED, INCREASED SALIVATION SLIGHT, HYPUTONIA SLIGHT, UEPHESSED GRASPING REFLEX MARKED * NO OBSERVATIONS RECUMDED.		KOUGH CUAT MODERATE,HUNCHED PUSTURE SLIGHT,STAIN RED MOUTH SLIGHT ROUGH COAT MODERATE,HUNCHED POSTURE SLIGHT NO UGSERVATIONS KECCHUEU. X: FEMALE GROUP: GROUP 3		DERTH PROSTRATE ROUGH COAT SLIGHT, HUNCHED PUSTURE SLIGHT, MATERIAL RED MOUTH SLIGHT ROUGH COAT SLIGHT, HUNCHED PUSTURE SLIGHT, MATERIAL HED MOUTH SLIGHT * NO OBSERVATIONS RECORDED.
SPECIES: O SEX: FEMALE GROUP: GROUP 3 OBSERVATIONS WEIGHT WEIGHT UPERATOR (GRAMS) CLINICAL UBSERVATIONS	UEATH INACTIVE MUDERAFE, INCREASED SALIVAL DEPHESSED GRASPING REFLEX MODERATE, PERIANAL SLIGHT INACTIVE MUDERAFE, INCREASED SALIVAL DEPRESSED GRASPING REFLEX MODERATE INACTIVE MARKED, INCREASED SALIVATI UEPHESSED GRASPING REFLEX MARKED OF MESSED GRASPING REFLEX MARKED OF MODERAFED GRASPING REFLEX MARKED	SPECIES: D SEX: FEMALE GROUP: GROUP 3 OBSERVATIONS OPERATUR (GRAMS) CLINICAL OBSERVATIONS OUR DURAND OUR DEATH HORIBUND	KOUGH CUAT MODERATE, HUNCHED PUSTURE ROUGH COAT MUDERATE, HUNCHED POSTURE NO UGSERVATIONS NECORUEU. SEX: FEMALE GRUUP: GROUP 3	OBSERVATIONS MEIGHT UPERATOR (GRAMS) CLINICAL UBSERVATIONS	DEATH PROSTRATE ROUGH COAT SLIGHT, HUNCHED PUSTURE ROUGH CUAT SLIGHT, HUNCHED PUSTURE * NO OBSERVATIONS RECORDED.
SPECIES: D ERVATIONS MEIGHT RATOR (GRAMS)	0.171	SPECIES: D ERVATIONS MEIGHT RATUR (GRAMS) 0186	n * 0	TIONS WEIGHT R (GRAMS)	185.0
	0035743 0035743 0010186 0035743		0084799 0035743 0035743	OBSERVATIONS WEI UPERATOR (GR	0010186 0035743 0010186 0035743
BADU0944	14:51:48 14:51:48 11:39:58 10:09:42 8:10:56	04DU0945 TIME 18:32:02	11:41:50 10:10:50 8:11:34 84D00950	TIME	18:35:30 14:38:24 11:48:44 10:15:24 8:12:38
ANIMAL ID: BADUO944 DATE TIME	5/02/84 5/02/84 5/02/84 5/02/84	DATE TIME 5/02/84 18:32:02	5/02/84 11:41:50 5/02/84 10:10:50 5/02/84 8:11:34 8/02/84 8:11:34	DAJE	5/02/84 5/02/84 5/02/84 5/02/84 5/02/84

IMAL	:01	IMAL ID: 84000956	063	ES: O IUNS	SPECIES: O SEX: FEMALE GRUUT: GRUUT 3
DATE		1146	OPERATOR	NE 16MT (GRAMS)	DPERATUR (GRAMS) CLINICAL OBSERVATIONS
5/03/64		7:02:54	0035743		DEATH
5/02/84		14:41:40	0035743		ROUGH COAT MODERATE,INACTIVE MARKED,HYPOTONIA MARKED.STAIN URINE PERIAMEL Marked,increased salivation moderate,depressed grasping reflex marked. Otabulara siteli
5/62/8	•	5/02/84 11:52:08	0084799		DIAMATER COAT MODERATE, INACTIVE MARKED, HYPOTONIA MAKKED, STAIN URINE PERIANAL MARKED, INCREASED SALIVATIUM MODEMATE, DEPRESSED GRASPING REFLEX MODERATE, DIAMATERS, STAINAL STAINAL
5/42/8	•	1/u2/84 10:18:28 0084799	0084799		DIARRHEA JEISHT. Mough Coat Moderate, inactive Marked, deressed Righting Reflex Moderate, hypotomia marked, staim urine Perianal Marked, increased Salivation Moderate, occored Coatagna Jeish Monepate, diarbaka Stight
0/05/84	ž	8:13:20	0035743	162.0	OCTABLE CANADATIONS AECONDED.
1441	10:		SPECIES: U		SEX: FEMALE GROUP: GROUP 3
DATE		1146	OPERATOR	(GRAMS)	OPENATOR (GRAMS) CLINICAL OBSERVATIONS
5/06/84	•	18:36:50	0010186		DEATH
5/02/84 5/02/84 5/02/84		10:53:50	0010186 0035745		HONIBURD ROUGH COAT SLIGHT, HUNCHED POSTURE SLIGHT, HYPOTONIA MODERATE, INACTIVE
1,02/84		6:14:38	0035743	165.0	MODERATE SOLINTANG SCILEM! * NO DESERVATIONS RECORDED.

	4'IMAL ID: 84000950	84000460	UHSERVATIONS		
0035743 0035743 0035743 0049225 0049225 0049225 0049225 0046232 0046232 0046232 0046232 0046232 0035743 0053243 0053243 00101743 0035743 0035743 0035743 0035743 0035743 0035743 0035743	UATE	1 IME	UPERATUR	(GRAMS)	CLINICAL OBSERVATIONS
0035743 0035743 004525 0049225 0049225 0045243 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743			0 0 0		S S S S S RECORDED.
0035743 0035743 0035743 0049225 0049225 0042252 0042252 0042252 0042252 0042252 0042252 0042252 0042253 0042253 0042253 0042253 0042254 00532743 0035743 0035743 0035743 0035743 0035743 0035743	2/16/64	90:87:21	********	2 2 2 2	MODINA
0035743 0049225 0049225 0049225 0045232 0042232 0042232 0053243 0053243 0053743 0053743 00135743 0035743 0035743 0035743 0035743 0035743 0035743 0035743	5/16/84	6:55:12	0055745		1 N N N N N N N N N N N N N N N N N N N
0049225 0049225 0049225 0042232 0042232 0042232 0042232 0042232 0053743 0053743 0010186 0035743 0035743 0035743 0035743 0035743 0035743 0035743	5/15/84	1:04:58	4 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
0035743 0049255 00492543 00492543 00492543 00535743 0055743 00135743 00135743 00135743 00135743 00135743 00135743 00135743 0010186	2/14/84	9:2/:40	26,5000		
0035743 0042232 0042232 00422343 0053243 0053243 00535743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743	5/13/84	10:14:36	104400		
0035743 0042252 0042252 0042252 00535743 00535743 00135743 00135743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743 0035743	5/15/84	41.00.7	0035745		NOTAL
0042232 0042232 00942232 00953243 00532743 00035743 00135743 00135743 00135743 00135743 00135743 00135743 00135743 00135743 00135743	30/11/5	44.02.4	0035743		NORTH
004225 0053745 0053743 0053743 0053743 00135743 00135743 00135743 00135743 00135743 00135743 00135743 00135743 00135743	70.02.7	7:02:08	0042232	238.0	NORMAL
0035743 0053257 00535743 0035743 0035743 0035743 181.0 0035743 0035743 181.0 0035743 0035743 0035743 0035743	70.00.00	7:00:26	0042252		NORWAL
0053297 0004799 0035743 0035743 0035743 0035743 0035743 0035743 0055743 0055743 0055743 0055743 0010186	3/10/10	6:53:50	0035745		IHMITABLE SLIGHT
0035743 0035743 0035743 0035743 0035743 0035743 008564710NS 008564743 0085743 0035743 0035743	5/10/194	11:44:08	0053257		NORMAL
0035743 0035743 0035743 0035743 0035743 181.0 0035743 181.0 008ERVATIONS 0PERATUR (GRAMS) C	5/05/84	9:15:46	£627800		PRUSTRATE
0035743 0010186 0035743 181.0 0035743 181.0 00858471008 0085743 181.0 0035743 0035743	5/04/84	7:02:52	0035743		NORMAL STATES STATES STATES
0035743 181.0 0035743 181.0 0035743 181.0 00856471000 00856471000 0035743 0035743 0035743	5/63/84	7:44:28	0035743		STAIN URINE PREFITANCE MARKELING CO. TOLL TANDERS OF TOATION SCIENTS STAIN
9035743 181.0 9035743 181.0 9PECIES: D SE 0BSERVATIONS 0PERATUR (GRAMS) C 0035743 0010186 00135743	5/05/04	14:45:54	0035743		RUNCHED POSTURE MODERALE, IRAI-ROLE STIGHT, INCHESSES CONTROL
0035743 181.0 0035743 181.0 0035743 181.0 0058743 181.0 0035743 0035743 0035743					UKING PURISABL SILEGI SILEGISTE TELEVISION SILEGIST SALIVATION SILEGISTS SALIVATION SILEGISTS
0035743 181.0 SE OBSERVATIONS WEIGHT (GRAMS) C OBSERVATIONS OD 0035743 U010186 U010186 U035743	2/05/84	11:56:58	0010186		HUNCHED FOULDER MUCHANISTANDER OFFICE OF THE STANDARD FOR THE STANDARD OF THE
0035743 181.0 SPECIES: D SE COBSERVATIONS PREIGH OPERATOR (GRAMS) C 0035743 U010186 0035743	5/10/A	55:15:01	0035743		HUNCHED POSTURE SLIGHT, HYPOTONIA SLIGHT, INCREASED SALIVATION SLIGHT, STAIN
SPECIES: D SE SPECIES: D SE CHSERVATIONS MEIGHT OPERATUR (GRAMS) C 0035743 0010186 0035743	, , , , , , , , , , , , , , , , , , , ,				URINE PERIANAL SLIGHT
SPECIES: D SE COUSERVATIONS WEIGHT (GRAMS) C COUSST43 U015186 U015143	5/02/84	8:15:44	0035743	181.0	NO OBSERVATIONS RECURDED.
SPECIES: D SE OBSERVATIONS WEIGHT OPERATUR (GRAMS) C 0035743 0035743 0035743					
7:01:42 OPERATOR (GRAMS) C 7:01:42 0035743 14:47:28 0035743 12:00:56 0010186 10:30:48 0035743	ANIMAL ID	: 84000962	99		FEMALE
7:01:42 0035743 [4:47:28 0035743 12:00:56 0010186 [0:30:48 0035743	UATE	1 1 ME	OPERATUR	WEIGHT (GRAMS)	CLINICAL OBSERVATIONS
14:47:28 0055/43 12:60:56 0010186 10:30:48 0035743	5/03/84	7:01:42	0035743		DEATH CONTINUE MARKED, INACTIVE MARKED, INCREASED SALIVATION MODERATE, STAIN
12:00:56 0010186 10:30:48 0035743	5/05/84	14:47:58	54/6500		URINE PERIANAL MODERATE
10:30:48 0035743	5/02/84	12:00:56	0010186		MUNCHED PUSHER MARKED INACTIVE MARKED LINERBAND WALLYRISON FOURTH COLLINE HOLDS OF DARRAND DEPARTS.
0-011 8073500 000000	40/00/5	10:30:48	0035743		HUNCHED POSTURE MAKKEU, INACTIVE MAKKED, INCREASED SALIVATION MODERATE, STAIN
				02.	UPINE PERIANAL MUURATE • NO DESERVATIONS RECONDED.

GROUP: GROUP

SEX: FEMALE

ANIMAL 10: 84000928

Server personers recesses servenues assesses cesesses ecosesses accesses and analysis.

CLINICAL OBSERVATIONS	* HO UBSERVATIONS RECURDED. NORMAL STAIN URINE PERIANAL MODERATE, MYPOTONIA SLIGHT, IRRITABLE SLIGHT, STAIN RED MOUTH MODERATE NORMAL STAIN URINE PERIANAL SLIGHT, HYPOTONIA SLIGHT * NO OBSERVATIONS RECOMUED.	CLINICAL OJSERVATIOMS CLINICAL OJSERVATIOMS DEATH DEATH PROSTRATE, INCREASED RESPIRATION DEPTH SLIGHT, TWITCHING PERIANAL SLIGHT, STAIN URINE PERIANAL MAKKED, INCREASED SALIVATION MODERATE INCREASED SALIVATION SLIGHT, MYPOTONIA MODERATE INCREASED SALIVATION SLIGHT, STAIN URINE PERIANAL SLIGHT, HYPOTONIA MODERATE INCREASED SALIVATION SLIGHT, STAIN URINE PERIANAL SLIGHT, HYPOTONIA MODERATE INCREASED SALIVATION SLIGHT, STAIN URINE PERIANAL SLIGHT INCREASED SALIVATION SLIGHT, STAIN URINE PERIANAL SLIGHT NO OBSERVATIONS RECURDED.
CLINIC	NO OF THE CONTRACT OF THE CONT	<u> </u>
ME IGHT (GRAMS)	232.0	D UNIT
UNSERVATIONS NET OPERATOR (GR	000867744 000867744 000867744 000867744 000867744 000867744 00086744 00086744 00086744 00086744 00086744 00086744 00086744	SPECIES: 0 0085EHVATIONS MEIGHT 0084799 0035745 0010186 0035745
11HE	6:543:18 6:543:18 6:55:40 10:15:114 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60 6:55:60	S/U3/84 13:57:42 5/U3/84 13:57:42 5/U3/84 13:57:42 5/U2/84 13:13:42 5/U2/84 11:19:56 5/U2/84 11:19:56 5/U2/84 8:19:12
UATE	55/110/110/110/110/110/110/110/110/110/1	5/03/84 5/03/84 5/02/84 5/02/84 5/02/84 5/02/84

SEX: FEMALE GROUP: GROUP 4	S) CLINICAL UBSERVATIONS	DEATH HOUGH CUAT SLIGHT, HUNCHED POSTURE SLIGHT, INCREASED SALIVATION MODERATE, Inactive Sitem: Tolming Sitem, Debesser Corner Desiles Monebate	INACTIVE SLIGHT, HUNCHED POSTURE SLIGHT, INCREASED SALIVATION MODERATE, INACTIVE SLIGHT, HUNCHED POSTURE SLIGHT, INCREASED SALIVATION MODERATE, INACTIVE SLIGHT	ROUGH COAT SLIGHT, HUNCHED PUSTURE SLIGHT, STAIN URINE PERIANAL MODERATE, INCREASED SALIVATION MODERATE, INACTIVE SLIGHT		SEX: FEMALE GROUP: GROUP 4	S) CLINICAL OBSERVATIONS	DEATH THEMDRS SLIGHT, DEPRESSED GRASPING REFLEX MARKED, INCREASED SALIVATION SLIGHT,	HYPUTONIA MUDERATE Themus Slight Depressed grasping reflex marked, increased salivation slight,		SEX: FEMALE GROUP: GROUP 4	S) CLINICAL UBSERVATIONS	DEATH WORTHUND, MHEEZING SLIGHT, INCREASED SALIVATION SLIGHT WORTION SLIGHT, WONTHUND, MHEEZING SLIGHT, WINCHES SALIVATION SLIGHT, WASTEN SELICHT, WORTHOW SLIGHT, WASTEN SELICHT STORY OF THE SELICHT		SEX: FEMALE GROUP: GRUUP &	7 S) CLINICAL UBSERVATIONS	CEATH	PROGRAFIE FORE MARKED INCREASED SALIVATION MARKED MYDDIOMIA MARKED INACTIVE	MARKED, STAIN URINE PERIANAL UEPHESSED GRASPING REFLEX MA	C . NO DESERVATIONS RECURRED.
SPECIES: 0 ERVATIONS	(GRAMS)				177.0	SPECIES: D ERVATIONS	GRAMS)			171.0	SPECIES: D ERVATIONS	WEIGHT (GRAMS)		172.0	SPECIES: U	WEIGHT (GRAMS)				2.6
085	UPERATOR	U035743 0035743	0010186	0035745	0035743	SPECIES: UHSERVATIONS	UPERATOR	0035743	0084799	0035743	SPECIES: UBSERVATIONS	UPERATUR	0035743 0035743 0010186	0035743	SPECIES:	DPERATOR	0035743	0010186		0035743
84000938	11ME	6:53:36	11:27:42	*0:95:6	8:50:50	84000936	TIME	6:50:50	11:29:06	9:57:28 8:21:58	84000937	7 IME	6:34:58 14:23:18 11:31:30	9:54:56	84000941	7 I ME	14:28:42	11:37:08		8:24:62
A'41MAL 1D: 84000	DATE	5/03/84	5/02/84	5/02/84	3/05/84	AVIMAL ID:	DATE	5/03/84 5/02/84		5/02/84 5/02/84	ANIMAL 10:	DATE	5/03/84 5/02/84 5/02/84	5/02/84	AVIMAL ID:	DATE	1 =	5/02/84 1		2/02/64

Contract Contract Manager in

GROUP: GROUP 4

SEX: FEMALE

ANIMAL 10: 84000958

CLINICAL OBSERVATIONS	* NU UBSERVATIONS RECORDED. NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL	NOKWAL NOKWAL NOKWAL NOKWAL NOKWAL NOKWAL NOKWAL	HUNCHED POSTURE SLIGHT HUNCHED POSTURE SLIGHT NO OBSERVATIONS RECONDED. SEX: FEMALE GROUP: GROUP 4 CLINICAL OBSERVATIONS	DEATH INACTIVE MARKED, HYPOTUHIA MARKED, INCREASED SALIVATION SLIGHT, INACTIVE SLIGHT, HYPOTOHIA SLIGHT, INCREASED SALIVATION SLIGHT, HUNCHED POSTURE SLIGHT INACTIVE SLIGHT, HYPOTOMIA SLIGHT, INCREASED SALIVATION SLIGHT, HUNCHED POSTURE SLIGHT • HO OBSERVATIONS RECONDED.
GRAMS)	906.∪	234.0	A. C.	170.0
UPERATUR (GR	0088799 0035743 0035743 00035743 00049225	0035743 0046256 0045248 0053743 0053257 0045743	OD10186 U055743 U035743 17 SPECIES: UDENATUN (GR	0035743 0035745 0084799 0084799
1146	12:47:04 b:54:38 7:04:32 6:57:28 10:14:22 9:32:08	6:59:48 7:01:30 7:00:04 6:53:28 11:47:52 7:01:16 7:01:16	11154:42 10223:26 8:25:40 8400965	7:06:34 14:49:54 12:03:56 10:37:22 8:26:52
UATE	5/16/84 5/16/84 5/15/84 5/11/84 5/12/64 5/11/84	%/10/8# %/00/8# %/00/8# %/00/8# %/00/8# %/00/8# %/00/8#	5/02/84 11:54:42 5/02/84 10:23:26 5/02/64 8:25:40 ANIMAL ID: 84000965	5/03/84 5/02/84 5/02/84 5/02/84

UAIL TIME UPERATUR (GRAMS) CLINICAL OBSERVATIONS	0035743 DEATH COAT SLIGHT, INACTIVE SLIGHT, STAIN RED MOUTH SLIGHT, STAIN URINE UN64799 PERIANAL SLIGHT OUT OUT OUT OUT OUT OUT SLIGHT, MUCHEU PUSTURE MODERATE, INACTIVE SLIGHT, STAIN RED MOUTH SLIGHT, STAIN URINE PRINCHEU PUSTURE MODERATE, INACTIVE SLIGHT, STAIN RED MOUTH SLIGHT, STAIN URINE PRINCHEU BLIGHT.	0035745 0035745 166.U	SPECIES: U SEX: FEMALE GROUP: GROUP 4 OUSENVATIONS	UPERATUR (GRAMS) CLINICAL UBSERVATIONS	0010186 DEATH MONIBUND WORLDUND SCHOOL OUSSTAS MONIBUND SCHOOL OUSSTAS ROUGH COAT SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE MARKED U035743 ROUGH COAT SLIGHT, HUNCHED POSTURE SLIGHT
SSERVATIONS MEIGHT PERATUR (GRAWS)	035743 084799 010186		2 3	PERATUR (GRAMS)	
TIME OF		5/u2/b4 10:58:16 00 5/u2/b4 8:27:44 00	NIMAL 10: 84000967	TIME OF	18:41:10 00 14:52:40 00 12:06:18 00 10:39:18 00
0.4 TE	5/03/84	5/02/84	NIMAL 10:	DATE	5/02/84 1/02/84 1/02/84

		, Fr 6 66
		3L16 SL16
		DEATH INACTIVE MARKED,STAIN URINE PERIANAL SLIGHT,STAIN RED MOUTH SLIGHT, HYPOTONIA MODERATE HUNCHED POSTUWE SLIGHT,INACTIVE SLIGHT,STAIM URINE PERIANAL SLIGHT HUNCHED POSTUWE SLIGHT,INACTIVE SLIGHT,STAIM URINE PERIANAL SLIGHT HONCHED POSTUWE SLIGHT,INACTIVE SLIGHT,STAIN URINE PERIANAL SLIGHT * NO OBSERVATIONS RECURDED.
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		TAINE JRINE
		AIA NIA
		SL 16
		SLIG
		PERI TIVE TIVE
S OU		DEATH INACTIVE MARKED, STAIN URINE HYPOTONIA MODERATE HUNCHED POSTUVE SLIGHT, INACT HUNCHED POSTUVE SLIGHT, INACT NO OBSERVATIONS RECURDED.
<u>.</u>	S I	AIN 16HT
GRUUP	VATIO	ED, ST ERATE VE SL PE SL 10NS
w	185E R	MARK MODU USTU
FEMAL	WEIGHT UPERATUR (GRAMS) CLINICAL UBSERVATIONS	DEATH INACTIVE MARKED, STAI HYPOTONIA MODERATE HUNCHED POSTUVE SLIG HUNCHED POSTUVE SLIG
 *	WEIGHT OPERATOR (GRAMS) CLINICAL	DEATH HYPOTO HUNCHE NO CE
S	HS) (5
SNO	WE IGHT (GRAMS	165.0
SPECIES: D	ATOR	743 745 106 745
S 085E	UPER	
1260	اي	4
340	TINE	14:05:34 11:14:16 9:52:40 8:31:12
<u>:</u>		11 111
INIMAL ID: 84000921 SPECIES: D SEX: FEMALE GRUUP: GMUUP S	DATE	5/02/84

ANIMAL IO: 84000923 SPECIES: D SEX: FEMALE GROUP: GROUP 5 USSERVATIONS LEFEMAT	OPERATOR (GRAMS) CLINICAL DESERVATIONS	UEATH VEATH ROUGH CUAT SLIGHT, INACTIVE SLIGHT, HUNCHED PUSTURE SLIGHT ROUGH CUAT SLIGHT, HYPOTONIA SLIGHT, INACTIVE SLIGHT, HUNCHED PUSTURE SLIGHT ROUGH CUAT SLIGHT, HYPOTONIA SLIGHT, INACTIVE SLIGHT, HUNCHED POSTURE SLIGHT * NO OBSERVATIONS RECURDED.
S: D UNS	(GRAMS)	161.0
SPECIES: D OBSERVATIONS	OPERATOR	0035743 0035743 0010146 0035743
84000923	T I ME	6:50:10 14:08:24 11:15:54 9:56:32 8:52:12
ANIMAL ID:	DATE	5/03/04 5/02/04 5/02/04 5/02/04 5/02/04

CLINICAL OBSERVATIONS CLINICAL OBSERVATIONS DEATH ROUGH COAT SLIGHT, HYPOTONIA MODERATE, HUNCHED POSTURE SLIGHT, INACTIVE WARKED, STAIN URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, ROUGH COAT SLIGHT, HYPOTONIA SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, STAIN URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, STAIN URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, STAIN URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, STAIN URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, AND URINE PERIANAL SLIGHT, HUNCHED POSTURE SLIGHT, INACTIVE SLIGHT, INACTI	
NCHEU PUSTURE : :HED PUSTURE SL: :HED POSTURE SL:	
MOVERATE, HU Slight, Hund	
GROUP S POTUNIA SCIGHT POTUNIA POTUNIA SCIGHT SCIGHT	COMDED.
ANIMAL ID: 04000924 SPECIES: U SEX: FEMALE GHOUP: GHOUP S UBSERVATIONS DATE TIME UPERATUR (GRAMS) CLINICAL OBSERVATIONS 5/UZ/84 14:09:22 U035743 CAUGH COAT SLIGHT, HYPOTONIA 5/UZ/84 14:09:22 U035743 STAIN UHINE PERIANAL SLIGHT 5/UZ/84 11:10:30 U010186 STAIN UHINE PERIANAL SLIGHT FOUCH COAT SLIGHT, HYPOTONIA STAIN UHINE PERIANAL SLIGHT FOUCH COAT SLIGHT, HYPOTONIA STAIN UHINE PERIANAL SLIGHT	. NU CHSERVATIONS RECOMDED.
X: FEMAL LINICAL O CEATH OEATH OEATH STAIN UKI NUUGH COA STAIN UKI STAIN UKI STAIN UKI STAIN UKI	NU OBSE
2 C X X X X X X X X X	
IONS TONS TEIGHT (GRAMS)	174.
SPECIES: UNSERVATIONS UNSERVATIONS UPERATUR (GRA U010186 U035743 UU10186	0035743
11ME 10:27:32 14:09:22 11:16:50 9:58:36	8:33:46 0035743 174.0
DATE 5/02/84 5/02/84 5/02/84 5/02/84	5/02/84

vn		DEATH ROUGH COAT MODERATE, HUNCHEO PUSTURE MODERATE, INACTIVE MARKED, HYPOTONIA MJOERATE, INCREASED SALIVATION MODERATE, STAIN UNITHE PEKLANAL MIDERATE, MADERATE, INCREASED SALIVATION MALKED OFFGERASO TEMPERATURE MARKED	CHRONODEARTHUDGRAFE SLIGHT, ILECATATION TOWNS OF THE MODERATE, HYPOTONIA MULGH CUST MODERATE, HUNCHED POSTUME SLIGHT, INACTENSE OSLIVATION MODERATE	ROUGH COAT MODERATE, HUNCHED POSTONE MODERATE, INACTIVE MODERATE, HINDINIA SLIGHT, INCREASED SALIVATION MODERATE	AUGH COAT HODERATE, HUNCHEU PUSTUHE MODERATE, INACTIVE MODERATE, HYPOLUNIA Sitemt, incheased salivation moderate		
RUUR		HUNCHE	TONCHE VATION	TONCHE!	HUNCHE!	CORDED	
VIMAL ID: 84DU0925 SPECIES: U SEX: FEMALE GROUP: GROUP	UPERATUR (GRAMS) CLINICAL UBSERVATIONS	DEATH ROUGH COAT MODERATE, H MODERATE, INCREASED	CHROMODACKYOKRHEN SLIGHT, LACKINTILOT FULGH CONT MODERNTE, HUNCHED PUSTUHE SI SLIGHT, INCHENSED SALIVATION MODERNTE	ROUGH COAT MODERATE, HUNCHED POSTURE MI SLIGHT, INCREASED SALIVATION MODERATE	ACCION COAT MODERATE, HUNCHEU PUSTUME P	* NO UBSERVATIONS RECORDED.	
: 0 SE	(GRAMS) CLINICAL					177.0	
SPECIES: UBSERVATIONS	UPENATUR (ı	0035743	0010186	0035743	5/v2/84 8:35:16 0v35743	
84000955		6:52:24 0035745 7:19:16 0035745	14:10:40	11:17:06	9:40:Ub 0035743	8:35:15	
VIMAL IU:	DATE	5/04/84	5/02/84 14:10:40 0035743	5/02/84 11:17:06 0010186	2/02/84	5/02/84	

		DEATH MORIBUND RUUGH COAT SLIGHT,HUNCHED PUSTURE SLIGHT,INACTIVE MODERATE,HYPOTON RUUGH CDAT SLIGHT,HUNCHED POSTURE SLIGHT,INACTIVE MODERATE,HYP: JR * NO OBSERVATIONS RECUMDED.
6 100 10		UCHED PUSTURE SL. MCHED PUSTURE SL. CUNDED.
ANIMAL ID: 84000927 SPECIES: D. 3EX: FEMALE GROUP: GROUP S UBSERVATIONS	UPERATUR (GRAMS) CLINICAL UBSERVATIONS	DEATH MORIBUND RUUGH COAT SLIGHT, HUNCHED PU RUUGH COAT SLIGHT, HUNCHED PC RUUGH COAT SLIGHT, HUNCHED PC * NO OUSERVATIONS MECUNDED.
SID. SEXIONS	UPERATUR (GRAMS) CLINICAL UBSE	06.4 MOH ROL ROL 171.0 * "
SPECIES: D' UBSERVATIONS	UPERATUR	0035743 0010186 0035743 0035743
84000927	TIME	18:30:06 14:11:54 11:18:40 9:42:40 8:36:10
ANIMAL 10:	DATE	5/02/84 18:30:06 0 5/02/84 14:11:54 0 5/02/84 11:18:40 0 5/02/84 9:42:40 0

		DEATH MOALHUND HUNCHEU POSTURE SLIGHT KOUGH COAT SLIGHT MYPUTONIA SLIGHT * NO UBSERVATIUNS KECURDED.
s		¥ 7 4 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
SPECIES: D SEX: FEMALE GROUP: GROUP S LEVATIONS		DEATH MOLIBOR SELICHT NUNCHEU POSTURE SELICHT KOUGH COAT SILGHT, MYPOTUNIA NU UUSERVATIUHS KECUKUED.
<u>4</u>	NOI	SL 10
3	\$	DEATH MOAIBUND HUNCHEU POSTURE SLIGHT ROUGH COAT SIIGHT, HYPO? NU UDSERVATIUMS KECUK
	SER	351U 7 SL 2VAT
446	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ē	ICA	DEATH MOAIHUND HUNCHEU F ROUGH COA
 *	2	DEATH MOAIHL MUNCHE KOUGH
8	. a i	э
SPECIES: D UBSERVATIONS	UPERATUR (GRAMS) CLINICAL UBSERVATIONS	188.
CIES ATIC	š l	2~2~~
SPE	UPERATUR	0010186 0035743 0010186 0035743
390	3	0010186 0035743 0010186 0035743
932	ł	
000	1 1 ME	18:30:46 14:54:24 11:24:18 9:50:58 8:30:58
	-	03200
Ö	1	3 3 3 3 3
A41MAL 1D: 84000932	DATE	5/02/84 5/02/44 5/02/44 5/02/84 5/02/84
154	2	* * * * * *

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		OGSENVAT 10HS WE I	10MS WE 1GHT	
UATE	TIME	UPERATUR		CLINICAL OBSERVATIONS
5/03/84	6:40:04	0035745		ATTENDED TO THE WINDS OF THAT AND COATS TAKET TO MADE ATTENDED
2/05/64	14:25:12	0035743		NOUGH COAI MUDERAIE, INTENNS SELEMI, MITOLONIA MUDERAIE, INACLIVE MUDERAIE, HUNCHEO POSTUGE MODERAIE, DEPRESSED POSTUGE MODERAIE, MODERAIE, DEPRESSED GRASSENG, REFLEX MODERAIE, DEPRESSED GRASSENG, REFLEX MODERAIE,
5/02/84	11:33:36	0010186		ROUGH COAT MODERATE, THE MOS SLIGHT, HYPOTONIA SLIGHT, INACTIVE MODERATE, THEREASED SALTWATION SLIGHT, DEHYDRATED SLIGHT
5/05/84	10:01:48	0035743		ROUGH CUAT SLIGHT, TREAURS SLIGHT, HYPOTONIA SLIGHT, INACTIVE MODERATE, HINCHED DOSTLAS MODERATE SLIGHT, DESTRUCTED SLIGHT, DESTRUCTED SLIGHT, DESTRUCTED SLIGHT
5/05/84	8:38:26	0035743	142.0	. NO OBSERVATIONS RECORDED.
ANIMAL ID:	84000942	SPECIES: U	2	SEX: FEMALE GROUP: GROUP S
DATE	TIME	OPEHATOR	NEIGHT (GRAMS)	CLINICAL OBSERVATIONS
5/02/84 5/02/84 5/02/84 5/02/84 5/02/84	18:53:52 18:50:14 11:58:44 10:07:44	0010186 0035743 0010196 0035743	. 171.0	DEATH MORIBUND, DIARRHEA MODERATE MORIBUND, DIARRHEA MODERATE MURIBUND, DIARRHEA MODERATE ** NO OBSERVATIONS RECORDED.
A'SIMAL 10:	84000961	SPECIES: D 08SEMVATIONS	_ ;	SEX: FEMALE GROUP: GROUP 5
DATE	11ME	OPERATUR	(GRAMS)	CLINICAL OBSERVATIONS
5/05/84	7:00:50	0035743		UEATH
	11:58:12	0010186		PERIANAL
2/02/84	10:28:14	6035743		INTUIONIA STAFFILDERFRESSED GRASPING REFLEX SLIGHT, HUNCHEO POSTURE SLIGHT INACTIVE MARKED, INCREASED SLIGHTIVE THIN STAFFILM HAPOIONIA MARKED, DEPRESSED GRASPING REFLEX HUNCHAIRS.
5/02/84	8:41:12	0035743	163.0	UEPRESSED RIGHTING MEFLEX MUDERATE • NO OBSERVATIONS MECURDED.
ANIMAL ID:	84000963	SPECIES: D UBSERVATIONS		SEX: FEMALE GROUP: GROUP S
DATE	1 IME	OPERATUR	WEIGHT (GRAMS)	CLINICAL OBSERVATIONS
5/03/84 5/02/84 5/02/84	7:07:54	0035743		DEATH MORIBUND
	10:32:04	0035745		ROUGH COAT MARKED, INCREASED SALIVATION MARKED, HUNCHED POSTURE MARKED, INACTIVE MARKED, HYPUTONIA MULKHAIE, TAEMOKS SLICHT POUGH COAT MARKED, INCREASED SALIVATION MARKED, HUNCHED POSTURE MARKED.
5/02/84	8:41:58	0035743	177.0	INACTIVE MARKED, HYPUTUNIA MODERATE, DIFFICULIY WITH RESPIRATION ON NO OBSERVATIONS HECORDED.

		NCHED POSTURE, SLIGHT	
		ERECTION, SLIGHT HUN	INACTIVE, SLIGHT PILO SCHEU POSTURE
GROUP: 1000 UL/AL	ERVATIONS	MURMAL NOBMAL	DUSERVATIONS RED STAIN NOSE RED FOSTURE, SLIGHT INACTIVE, SLIGHT PILO ERECTION
SEX: MALE	CLINICAL OBSERVATIONS	NORMAL NORMAL	CLINICAL SLIGHT NORMAL
S: D ONS #EIGHT	(GRAMS)	25 27 11.0 253.0 253.0 2506.0	315.0 315.0 315.0 314.0 279.0
SPECIES: D UBSERVATIONS MEIG	UPENATUR	0013522 0013522 00149225 00049225 00049225 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522 0013522	SPECIES: U OUSERVATIONS NEIG OPERATOR (GRA 0013522 0043522 0049225 0049225 0049225 0049225 0049225 0049225 0049225 0049225 0049225 0049225 0049222 0049222 0049222 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522
83000641	TIME	7 146:02 9:12114 9:13118 9:13118 9:14118 11:1412 9:1412 9:1412 9:1413 9:1513 9:1513 9:1513 9:1513 9:1513 9:1513 9:1513 9:1513 9:1513 9:1513 9:153	7:49:12 9:13:35 9:17:49:12 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36 9:37:36
A-1144L ID: 83000641	DATE	12/15/18 12/15/18/18/18/18/18/18/18/18/18/18/18/18/18/	DATE DATE 12/15/83 12/15/83 12/15/83 12/15/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83 12/10/83

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	UBSEHVATIUNS														######################################		מינים בסי ספרים בסי			LE GROUP: 1000 UL/KG		UBSERVATIONS		RED STAIN NOSE		STAIN	RED STAIN NUSE				RED STAIN LEFT EYE					TAACTTUE MOUSEARE MUNCHED POSTURE, MODERATE	HINCHED POSTURE		RED STAIN RIGHT EYE	
	CLIMICAL	NUMBAL	NORMAL	NONMAL	NOMMAL	NOWWAL	NOW NOW	NOR WALL		NOR MAN	NOR MAL	TAP NO.	TAKE MORE	A	NORMAL	MODERAIE	MUDENAIL	NOKHAL	NORMAL	SEX: MALE		CLINICAL		SL IGHT				NOKWAL	NUKMAL	NORMAL		NORMAL	NOWMAL	NORMAL	NOWMAL	TAN TO	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NORMAL		
SNS	NE IGHT (GRAMS)	495.0				:	511.0			246.0		;	273.0				•	232.0		ES: D	IONS	(GRAMS)		312.0				,	323.0		305.0			281.0				247.0	•	
UBSERVATIONS	UPERATOR	0073522	007 5522	6073522	6049225	0049225	0005605	5005000	007356	6073522	0073522	0073522	0073522	0053257	0069406	0049225	0055745	0055743	0035743		UBSERVATIONS	SPERATOR		0073522	0073522	9075522	0049225	0049225	_	C042000	_						9096900	0035743	F 45.7 F 43	1
6500059	TIME	7:50:34	9:14:55	9:50:05	4: 38:54	9:34:15	8:14:25	11:34:26	9:42:50	9:33:04	4:56:48	9:51:50	9:33:10	10:33:08	9:13:43	13:27:16	11:02:56	8:50:50	8:44:34	ANIMAL ID: 83000656		347.1	3 L T .	7:51:34	9:16:08	8:20:30	9:38:54	9:34:55	6:50:56	11:34:36	A	9:57:10	9:52:14	9:33:55	10:33:50	9:14:04	13:27:54	11:02:04	70.70.0	7
ANIMAL IU: BSDUUBSC	DATE	12/16/83	12/15/83	12/14/83	12/13/03	12/12/03	12/11/83	12/10/83	12/04/83	12/08/03	12/01/83	12/06/83				12/02/85	12/05/83	12/02/85	12/01/83	ANIMAL ID	!		2 40	14/71/61	12/15/83	12/14/85	12/13/83	12/12/83	12/11/83	12/10/63	12/04/05	12/01/03	12/06/03	12/05/83	12/04/65	12/03/83	12/02/83	12/02/83	16/20/21	16/01/83

•																HUNCHED POSIURE					JL/KG																					
	CLINICAL OBSERVATIONS		RED STAIN NUSE		1000	KEU SIAIN NUSE										, MUDERATE	HUNCHED POSTURE				MALE GRUUP: 1000 UL/KG		DASFRVATIONS	OBSERVE LOS			SOUN MEATS CHO										14 14 14 14 14 14 14 14 14 14 14 14 14 1	TABLETICE				
	CLINICAL	NORMAL	SLIGHT	NOW WO	NORMAL	SLIGHT	NORMAL	NOR WAL	NORMAL	NON	NURMAL	NORMAL	LOWMAL	HORMAL	NORMAL	SLIGHT	SLIGHT	NORMAL	NURMAL	ļ	SEX: M		INTERIOR		1 100	TAME TO	TARRON.	10110	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	N N N N N N N N N N N N N N N N N N N	NOWWAL	NURMAL	NURMAL	HORMAL	NORMAL	NORMAL	NURMAL	SLIGHT		SCAMAC.	T T T T T T T T T T T T T T T T T T T	1
ONS	(GRAMS)	265.0					216.0		•	259.0			243.0					206.0			2	IONS WEIGHT	ME LGA 1	(GKAMS)	1	2.44.				0 703			289.0			266.0				336	2000	
UHSERVATIONS	OPENATOR	9073522	352	0073522	0049225	0049225	0002605	0005005	0073522	0075522	0073522	0073522	0073522	0055257	0059405	9046900	0035743	0035745	0035743		SPECIES:	OBSERVATIONS	200	OPERATOR		0073522	v073522	0013522	505500	000000000000000000000000000000000000000	200000	0073500	0073522	0073522	0073522	0073522	6053257	0069406	0049400	0055745	59/5500	0035745
	1 IME	7:52:32	:17:		9:39:55										14:15	13:29:30	11:04:02	8:52:12	8:45:52		83000667		,	7 I ME		7:53:10	9:18:04	8:51:16	77:55:5	9:35:46	20.02.0	61.70.00	44	40:56:6	9:53:10	9:35:55	10:33:52	9:14:32	13:30:16	11:04:58	5.5	0 : 5 2 : 50
	DATE	12/16/83	12/15/83	12/14/83	12/13/83	12/12/83					12/01/83	12/06/83	12/05/83	12/04/83	12/03/83	12/02/83	12/02/83	12/02/83	12/01/83		A'JIMAL ID:			0.475		12/16/83	12/15/83	12/14/83	12/13/85	12/12/83							12/04/85					12/01/85

AVIMAL 10	AWIMAL 10: 63000686	UBSERVATIONS	15: U	SEX:	# P L E	פאנחחג: זחחם חר/אף	94/10				
DATE	TIME	UPERATUR	WEIGHT (GRAMS)		. usse	CLINICAL UBSERVATIONS					
12/16/83	7:54:32	9973522	518.0	NORMAL							
12/15/85	9:14:00	9073522		NURMAL							
12/14/85	6:21:44	997556		SL IGHT							
12/13/45	9:00:6	5226700		SL IGHT							
12/12/83	9:35:55	0044225		SLIGHT	REU S	STAIN NUSE					
12/11/83	8:24:00	C062605	332.0	NORMAL							
12/10/83	11:45:12	0002605		NORMAL							
12/09/83	9:51:50	0073522		NORMAL							
12/08/43	9:36:50	6073522	312.0	SLIGHT	RED 3	STAIN NOSE					
12/07/83	9:58:58	0073 522		NURMAL							
12/06/85	9:53:40	5545 100		NURMAL							
12/05/83	9:36:00	0073522	292.0	NORMAL							
12/04/83	10:34:10	0053257		NOKMAL							
12/05/83	9:14:58	9076900		NORMAL							
12/02/83	13:31:26	907690G		SLIGHT	INACT	INACTIVE, MUDERATE MUNCHEO POSTURE, MUDERATE PILO ERECTION	E MUNCHED	POSTURE,	HODERATE P.	ILO EREC	110N
12/02/85	11:05:34	0035743		SL IGHT	HUZOH	HUNCHED POSTURE					
12/02/83	8:54:18	0035743	247.0	RUMMAL							
12/01/83	8:45:58	0035743		NORMAL							
										ļ	
				i							
ANIMAL IU:	. 83000690		2	SEX: MA	MALE	GROUP: 1000 UL/KG	0 UL/KG				
		COCHAVA LOGO	METER								
DATE	TIME	OPERATUR	(GHAMS)		UBSE	CLINICAL UBSERVATIONS					
12/16/83	7:55:20	555 200	312.0	HORMAL							
12/15/83	9:19:46	007 5522)	NORMAL							
12/14/83	8:22:06	0073522		MORMAL							
12/13/83	9:40:50	0049225				STAIN NUSE					
12/12/83	9:30:22	0049225		SLIGHT	REJ S	STAIN NUSE					
12/11/83	9:54:86	0002605	325.0	NORMAL							
12/10/63	11:35:26	0002605		NONMAL							
12/09/83	9:52:14	0073522		NORMAL							
12/08/85	9:37:14	0073522	303.0	NORMAL							
12/07/83	9:58:52	0073522		FORMAL							
12/06/83	9:54:04	0073522		NOWMAL							
12/05/83	9:36:44	0073522	285.0	NORMAL							
12/04/83	10:34:26	0053257		NOKWAL.							
12/03/63	21:51:6	9086900		145.00	7	MOTITION OF THE STATE OF CAMPAIN	70 7427 18		3		
10/06/03	13:36:66	0035700		S1 1671	HINCHED	En POSTURE	1	, , , , , , , , , , , , , , , , , , ,	ŧ		
12/05/07	40.55.1	0045744	0 146	T PRODUCT							
12/06/03	8:45:48	0035743	24704	NORMAL							
70/10/01	10.01.0	** 10000		1							

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																E NIVI			
															;	מב			
																INACTIVE, SLIGHT HUNCHED POSTURE, SLIGHT RED STAIN MOUTH			
															,	TONCHED			
24.10	TIONS			N NOSE		NOSE									,	SLIGHT	PUSTUME		
	085ERVA			REU STAIN NOSE		RED STAIN NUSE										INACTIVE,	HUNCHED POSTUNE		
SEA: MALE	(GRAMS) CLINICAL OBSERVATIONS	NORMAL		SLIGHT	NORMAL	SL16HT	NORMAL	NURMAL	NOMMON	NORMAL	NURMAL	NURMAL	NORMAL	NORMAL	NORMAL	SLIGHT		NORMAL	NOWMAL
ONS ONS WFIGHT	(GRAMS)	272.0					294.0			263.0			244.0					204.0	
SPECIE UBSERVATI	UPERATUR	9973522	9073522	9973528	0049225	0049225	0002602	0002505	0073522	0073522	0075522	0073522	0073522	0053257	0069406	9076900	0035745	6035743	0035743
85000641	1 IME	7:50:12	9:50:56	8:55:58	9:40:52	9:36:50	8:25:50	11:35:34	9:52:36	9:37:40	9:59:12	9:54:54	9:37:16	0:34:40	4:12:59	3:32:52	1:06:26	9:55:4	8:46:50
ANIMAL ID: BEDUCCON, CONFERENCE DE CONTRACTIONS DE LEGISTE DE CONTRACTIONS	DATE	12/16/83	12/15/83	12/14/83	12/13/85	12/12/83	12/11/83	•		12/08/83				12/04/85 1	12/03/83	12/02/83 1	12/02/83 1	12/02/83	12/01/83

RECOMMENDED TO SECURE TO SECURE THE SECURE OF THE SECURE O

U-SERVATIONS WELGHT	OPENATUR	U073522 284.U	5250000	2004463	C005000	0002605	0673522 294.0	007 5522	0073522	0073522 273.0	14:52 UU73522 269.U NOKMAL	0053257	0069406	34:06 0035743 238.U NUAMAL	0035743	0069400	MODERATE INCREASED RESPIRATION RATE, MODERATE DECREASED RESPIRATION DEPTH,	0049225	0049225	46:14 0049225 228.0 * NO OBSERVATIONS RECOMDED.	SPECIE Udservati	IME UPERATUR (GRAMS) CLINICAL UBSERVATIONS	07:02 0073522 208.U NORMAL	0049225	6049225	0002605	0002605	0073522 295.0	0073522	ANNUAL STATES AND STAT	0013355 213.0	0053257	90760	0035743 242.0	0035743	_	0049225	2004200	48:20 004925 214.0 a no observations recorded.	
UASE	OPEN	_	_		_	_	_	_	_	_	_	_	_	_	_	_		_	_		90	UPERI	_	_	_	_	_	_					_	_	Ī	_	_	_	_	
	1 I ME					-				9:40:18		10:27:52	0:04:04	9:34:06	8:24:00	13:47:06			_	8:46:14	ID: 83000648	TIME	8:07:02		9:55:34		_					10:28:02	9:04:10	8:30:06		13:52:58	11:37:22	10:27:12	9:49:50	
	DATE	12/14/83	12/13/83	12/12/85	12/11/85	12/10/83	12/09/83	12/08/83	12/07/83	12/06/83	12/05/83	12/04/83	12/03/43	12/02/83	12/01/83	11/30/83		11/30/83	11/30/83	11/30/63	ANIMAL II	DATE	12/14/63	12/13/83	12/12/85	12/11/83	12/10/85	12/09/83	12/08/83	12/0//03	12/00/03	12/04/85	12/03/83	12/02/85	12/01/43	11/30/83	11/30/83	11/30/43	11/30/83	

	CLINICAL UBSERVATIONS	NORMAL Normal	NOWAAL	14××00	NORWAL	NORMAL	Textar Texter	7	JANUA	NOW WALL	NOMMAL MAKKEJ RED STAIN MOUTM,SLIGHT MED STAIN WIGHT EYE,MODERATE YELLOM PEWIAMAL		MODEKATE INACTIVE, MUDEKATE HUNNERU FUSIUKEIJELISTI TALO CRECITORISTI INCREASED SALIVATIUN, MUDEKATE BOUNN METATAL PERIANAL MODEKATE INCREASED SALIVATION, MUDEKATE PERIANAL PERIANAL PATE	INCREASED RESPERATION DEFET AS DECEMBED A DECREASED RESTRACTOR AS INTEREST.	MANKED HUNCHED FUSIUME, MUDERALE TILD EMECTION CLICAL MACHINES CONTROLL CON	MODERATE BHOWN PERIANAL MATERIAL	* NO OBSERVATIONS RECURSED.	2 × 1 1 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		CLINICAL DESERVATIONS	N. O. M.			מסאישר	NORMAL	NOTATA	14F2024	NUMBAL	NUMMAL	I SOCIAL SOCIALI	Terror	SLIGHT PILO ERECTION, SLIGHT HUNCHED POSTURE, SLIGHT RED STAIN MOUTH	BOUGRATE INACTIVE, MUDERATE MUNCHED PUBLICATIONALMENTE FILO EXELITUATIONS TRUCKS ASSESSED AND TRACES.	MANKED HUNCHED PUSIUME, SLIGHT PILU EMECTION, SLIGHT INACTIVE	NUMBL	* NO UBSERVATIONS RECURDED.
, ;	2 L	233.0			247.0		240-0	226.0			193.0						190.0		. ;	(GRAMS)	3.0	201.0				503.v		275.0	268.0		237.0					236.0
SPECIES: U OBSERVATIONS	UPERATOR (0075522 0049225	0049225	000000	6073522	6073522	0075522	007356	0053257	0069406	0035745		9086900		0049225	9076900	0044225		UBSERVATIONS	UPERATOR		3366 100	004400 00400	5095000	0002605	00/3524	6073522	0073522	5555 100	0053257	0045745	0.35745	4016654	0049225	0049225	00#855
83000651	1 I ME	8:07:58 9:31:44	9:56:56	8:06:56	9:30:02	89:57:6	9:51:06	9:21:20	10:28:20	9:04:36	8:37:12	******	13:55:08		11:38:12	10:27:52	8:49:56		/ C 0 0 0 0 5 8	TIME		07:00:00	9: 56:04	21.00.12	11:50:14	9:30:50	77:72:0	92:27:5	4:55:64	10:20:54	90.30.5	00.00.00 00.00.00	13:56:49	11:40:28	10:30:06	01:05:4
ANIMAL ID: 83000651	DATE	12/14/83	12/12/93	12/11/85		12/08/85	12/07/83	14/20/07	12/04/83 1	12/03/83	14/02/83	16/01/02	11/30/83 1		11/30/85 1	11/30/03 1		•	ANIMAL IU: 83DUU637	UATE		12/14/85	12/13/83	15/15/63	12/10/83	12/09/85	12/98/83	12/01/03	12/05/83	12/04/83	12/03/63	10/06/63	11/30/85	11/40/84	11/30/03	11/36/83

MALE

SEX:

A:414AL 10: 83000662

GOVIN BREVERSK GSSKSSKI BOURING KRINGER FORESKE BRESKSKE BYNGOS KRYGOS KRYGOS KONDON KANDON FEDERAL BEDE K

	CLINICAL DESERVATIONS	NORMAL SLIGHT RED STAIN NUSE	SCIENT RED STAIN NUSE	NOWMAL	NOTES I		NORMAL	NORMAL	NORMAL	NORMAL	NUMBER	NINAMA TO THE PERSON WINDOWS BOOKING MODERATE TERRITARIES MADRED	MODERATE PILO EMECTION, MODERATE MONCHED TOSTORE, MODERATE INTERESTRATION REPORTED NASAL DISCHARGE, MARKED MED STAIN MUDIM, SCIENT MED STAIN EYE	MODERATE INACTIVE, MUDERATE HUNCHED PUSTURE, MODERATE PILO ERECTION, SLIGHT IRAITABLE, SLIGHT INCREASED SALIVATION	SLIGHT MUNCHED POSTURE, SLIGHT FILD ERECTION, SLIGHT INACTIVE, MODENATE	IRAITABLE	MARKED OFFICE AEAFLION RATE	* NO DESTREATIONS RETORDES.		SEX: MALE GROUP: 2000 UL/KG		CLINICAL UBSERVATIOHS	DEATH	MOUERATE INACTIVE,MUDERATE UEPRESSED GRASPING MEFLEX,MODERATE Uepaessed righting reflex,slight increased salivation	MODERATE HUNCHED PUSTUNE, SLIGHT PILO ENECTION, MODERATE INACTIVE, MODEMATE INCREASED SALIVATIO4	MODERATE TACATPREA,MUDERATE INACTIVE,MODERATE CLEAR MATERIAL MOUTM * No observations mecorued.	
UNS	(GRANS)	309.0			9	202		283.0	276.0		;	238.U					•	242.0	!	2	UNS No Toxit					232.0	
UDSERVATIONS	UPERATOR (GRAMS)	0073522	0049225	0002405	000200	2255	0075522	0073522	997 5522	0055257	000000	0035743	0064406	0016654	9086400		906900	0049225			UBSENVATIONS	UPERATOR	0035743	9016900	0049225	0069406	
	TIME	8169134	9:27:16	8:05:58	11:30:22	9:57:14	9:51:50	9:45:04	9:55:6	10:58:48	9:05:12	6:36:40	8:27:26	13:59:58	11:41:30		10:30:34	05:15:9		ANIWAL 10: 83000666		TIME	M:03:58	14:01:16	11:42:20	10:31:58 A:55:26	
•	UATE	12/14/83	12/12/83	12/11/83	12/10/85	12/09/83	16/08/85	12/06/83	12/05/83	12/04/85	12/03/83	12/02/83	12/01/83	11/30/83	11/30/63		11/30/83	11/30/83		ANIWAL ID:		UATE	12/01/81	11/30/83	11/30/85	11/50/83	

ANIMAL TO:	9100480	OPSERVATIONS	ONS WFTGHT	ANIMAL TOTATORNOOPED JACK GATTLE CATTLE CATT
DATE.	1 I ME	OPERATOR	(GRAMS)	OPERATOR (GRAWS) CLINICAL OBSERVATIONS
	8:10:36	5525	239.0	SLIGHT RED STAIN NOSE
12/13/83	9:33:06	0049225		TAIL HEALING
12/12/83	9:58:04	0049225		NECROTIC TIP OF TAIL MISSING, SLIGHT NEU STAIN NUSE
12/11/83	8:03:30	0002605		74720
12/10/43	11:30:38	0002605		NORMAL NORMAL
12/09/83	9:37:58	0073566	<51.0	
12/08/83	9:52:58	0073568		
12/01/83	9:25:16	007556		NECKOSIS IN COMPANIE
12/06/83	9:43:44	0073522	213.0	NECROSIS TIP OF TAIL
12/05/83	9:53:58	9076900	205.0	SLIGHT RED MATERIAL EYE, SLIGHT DARK MATERIAL PERIANAL, NECROSIS TIP UP TAIL
	10:29:10	0053257		SLIGHT IRRITARLE, SLIGHT RED MATERIAL NOSE, SLIGHT DARK BROWN MATERIAL
		1		PERTANAL, SLIGHT HUNCHFD POSTURE, SLIGHT PILO ERECTION
12/01/83	9:05:34	9086900		SLIGHT RED MATEPIAL NOSE, SLIGHT RED MATERIAL EYE, SLIGHT RED MATERIAL
				FRONT LEG, SLIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION,
				TAR COLORED, POSSIBLY BLOODY FECES
12/02/83	A:39:40	0069406	192.0	MODERATE PILO ERECTION, MODERATE INACTIVE, MODERATE RED STAIN EYE, MODERATE
				RED STAIN NOSE, MODERATE RED STAIN WOUTH
12/01/83	8:28:40	0069406		MARKED INACTIVE, MUDEKATE FILD ERECTION, MARKED TELLOR STAIN MODIN, MARKED ACT Material Left Right EYE, Marked Depressed Grasping Reflex, Marked
				DEPRESSED RIGHTING REFLEX
11/30/83	14:03:36	0084799		MODERATE INACTIVE, SLIGHT HUNCHED POSTURE, SLIGHT PILD ERECTION, MODERATE Deposard grasping reflex, Slight Depressed Righting Reflex
11/30/83	11:44:02	0049225		MODERATE INACTIVE, SLIGHT PILO ERECTION, SLIGHT HUNCHED POSTURE
	10:35:30	9006900		MODERATE TACHTPNEA, MODERATE RED STAIN MOUTH, MODERATE INACTIVE

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SEX: MALE GRUUP: 2000 UL/KG	CLINICAL OGSERVATIONS	NORMAL	NOWAL	NOWARL	NOWMAL	I TENDO	NORMAL	NURWAL	NORWAL	NONWAL	NURMAL	NAME OF THE PROPERTY OF THE PR	SLIGHT CLEAR MATERIAL MOUTH	MODERATE INACTIVE, MODERATE MUNIMED POSTURE, MUDERATE FILO ERECTION, JOHNSON INCREMENT SALIVATION, MODERATE DEPRESSED GRASPING REFLEX, SLIGHT	DEPRESSED RIGHTING REFLEX, MODERATE BROWN MATERIAL PERIANAL	MOVERATE MUNCHED PUSTUKE,MUDERATE PILO ERECTION,SLIGHT IMACTIVE,SLIGHT Incheased salivation,Slight Diarahea	NOFMAL	* NO UBSERVATIONS RECURSED.		SEX: MALE GROUP: 2000 UL/KG	CLINICAL OBSERVATIONS	DEATH	MANKED INACTIVE,SLIGHT PILO EMECTION,MODEMAIE DECMEASAU MESTIMATION MAIE, Modemate increased respiration depth,modemate taitching,makked Depressed grasping reflex,modemate cleam maiemial eye,makked	DEPKESSEU RIGHTING REFLEX Harkeu inactive, muuehate incheaseu tempehature	PROSTRATE * NO OBSERVATIONS RECORDED.	
2 12	(GRAMS)	276.0				287.0		260.0	257.0			230.0						213.0			(GRAMS)				252.0	,
SPECIES: U	UPERATOR	0073522	0049225	0002605	0002605	0075522	007.5522	0473522	0073522	0053257	9006900	0035745	0035743	9046900		9068900	0049225	9776700	!	SPECIES: D	OPENATOR	0017557	0069406	0049225	0049225	
63000663	1 I ME	8:11:54	9:30:12	8:04:02	1:32:34	9:39:34	9:53:10	9:45:56	4:57:56	80:05:01	9:11:56	9:42:50	8:30:22	4:05:12		11:45:04	10:40:40		1	63000667	T I ME	17:33:32	14:07:24	11:40:12	10:41:54 A:56:16	, , , ,
AVIMAL ID: 83000683	DATE	12/14/83	12/12/83	12/11/83	12/10/83 1	12/09/83	12/08/85	12/06/83	14/05/83	12/04/83 1	12/03/83	12/02/83	12/01/83	11/30/83 1		11/30/83	11/30/83 1			ANIMAL IU: 830u0687	DATE	11/30/83 1	11/30/65 1	11/30/83 1	11/30/83 1	1010111

1		UBSERVATIONS	IONS	
JATE	TIME	UPERATUR	GERAMS)	CLINICAL DESERVATIONS
11/30/83	10:42:42	0069406	233.0	DEATH * NU OHSEXVATIONS RECORDED.
ANIWAL ID	ANIWAL IU: 83000635	085		SEX: MALE GROUP: 5000 UL/KG
UATE	TIME	UPERATUR	MEIGHT (GRAMS)	CLINICAL DESERVATIONS
		2007 500		TABOUT THE PROPERTY OF THE PRO
16/14/85	9:12:00	0049225	2.0	NOWAL
12/12/83	9:50:58	2526400		NOMINAL
12/11/05	9:04:55	6062605		NORMAL
12/10/43	11:32:46	0002605	0.575	NAME OF STREET
00/07/VI	9:50:58	0073522		NOW A L
12/07/83	9:53:40	0073522		NORMAL
12/00/03	9:46:15	5555100	258.0	NORMAL
12/05/03	4:58:50	9073522	255.0	Terror
12/04/83	10:51:10	1053257		NORMAL
12/03/33	9:11:54	0000000		Jenson Telescon
12/05/03	00:44:6	0055745	445.U	NORTH DEC STAIN DEST EVENS STREET GAD THEFT STAIN MODERATE IRRITABLE
12/01/43	3:17:6	001500		STANKED INACTIVE SELIGHT PILD ERECTION, MODERATE DEPRESSED GRASPING REFLEX
11/50/65	14:10:40	9044999		MARKED DEPKENSED ALGHING AFFEK
11/30/85	11:47:54	9086900		
11/30/03	10:45:18	0069406		MUDENATE TACHYPNEA, MUDENATE KED STAIN NOUTH
11/30/63	9:01:05	6224400	215.0	* NO UBSERVATIONS RECORDED.
ANIMAL ID:	: 63000636	SPECIES: DO UBSERVATIONS	9	SEX: MALE GROUP: 3000 UL/KG
UATE	T I ME	OPERATOR	(GRAMS)	CLINICAL OBSERVATIONS
	12.25.003	0017557		UE A ₹H
11/30/03	14:20:14	0016654		PRUSTRATE
11/30/83	11:49:22	0000000		MAKARU INACTIVE,MOUKKATE INCREASEU MASTIMATION OLFIN,MUORKAIR Heronimaen desatuation vale,alimut increaseo salivation
11/30/83	10:40:52	9076900		MODERACE OECREASED AESPIRATION RATE, MODERATE INCREASED RESPIRATION DEPTR
***************************************	00.60.0	300000	198	* NO DESERVATIONS ARCORDED.
50.05.11			•	

THE PROPERTY OF THE PROPERTY O

	DEATH PROSTRATE SLIGHT PILO ERECTION, SLIGHT HUNCHED PUSTURE, SLIGHT INACTIVE, MODERATE DIAKHMEN MODERATE: TACHTPNEA, MUDEHATE BRUMN MATERIAL PERIANAL * NU OBSERVATIONS MECONDED.	U UL/KG	D£U.	10 UL/KG				NORWAL NORWAL MODEMATE INACTIVE, SLIGHT DEPRESSED GRASPING REFLEX MODEMATE INACTIVE, MUDERATE HUNCHED POSTUME, MODERATE PILD ERECTION SLIGHT HUNCHED POSTUME, SLIGHT PILU EMECTION MODEMATE TACMYPNEA * HU OBSERVATIONS RECORDED.
CLINICAL DOSERVATIONS	DEATH PROSTRATE SLIGHT PILO ERECTION, SLIGHT DIAMMEA MODERATE A NO OBSERVATIONS MECUNDED.	GROUP: 50	MISDOSE * NO OBSERVATIONS RECURDED.	E GROUP: 3000 UL/KG	CLINICAL OBSERVATIONS	RED STAIN NOSE		NORWAL NORWAL HODERATE INACTIVE, SLIGHT DEPRESSED MODERATE INACTIVE, MUDERATE HUNCHED SLIGHT HUNCHED POSTURE, SLIGHT PILU MODERATE IACMYPHEA
CLINICAL	DEATH PROSTRATE SLIGHT PI UIAHHEA MOUERATE * NO OBSE		MISDOSE * NO OBS	SEX: MALE	CLINICAL	NORMAL NORMAL SLIGHT R NORMAL NORMAL NORMAL	NURMAL NORMAL NORMAL NORMAL NORMAL	NORMAL NORMAL MUDEHATE MODEHATE SLIGHT H MODERATE
ONS WEIGHT (GRANS)	0.785	IS: U IONS WEIGHT (GRAMS)	230.0	O II	(GRAMS)	281.0	288.0 270.0 262.0	248.0
OBSERVATIONS WELL UPERATUR (GR)	00135743 6016654 00049225 0069406	SPECIES: U UBSENVATION MEIG UPENATUR (GRA	0049225	SPECIES: D UBSERVATIONS WEIG	OPERATOR	001352 004925 0044225 0002605	0073522 0073522 0073522 0073522	0069406 0069406 0069406 0064225 00649225
11ME	8:108:04 11:51:40 10:46:50 8:54:16	6300058 TIME	10:50:44 9:03:06	83000673	1146	4: WS: V6 4: WS:	9:54:00 9:54:00 9:54:00 9:54:00 9:54:00	8:12:00 8:12:00 8:12:00 9:12:00 11:28:10 10:58:38 10:58:38
DATE	11/30/63	ANIMAL ID: 63000658 UATE TIME	11/30/83	ANIMAL 10: 83000673	DATE	12/14/85 12/15/83 12/12/83 12/11/43	12/19/83 12/10/83 12/10/83 12/10/83 12/10/83	12/05/05 12/05/05 12/05/05 11/50/05 11/30/05 11/30/05

SEX: MALE GROUP: 3000 UL/KG	CLINICAL OBSERVATIONS	* NO UBSERVATIONS RECORDED. DEATH PROSTRATE MARKED INACTIVE, SLIGHT PILO ERECTION, SLIGHT INCREASED SALIVATION PHOSTRATE * NO UBSERVATIONS RECURDED.	SEX: MALE GROUP: 3000 UL/KG CLINICAL OBSERVATIONS	DEATH MARKED INACTIVE,SLIGHT DIARRHEA SLIGHT HUNCHED POSTURE,SLIGHT PILO EMECTION,MODERATE TACHYPNEA,MODERATE DIARRHEA HODERATE TACHYPNEA,MUDERATE INACTIVE * NO OBSERVATIONS RECORDED.	SEX: MALE GROUP: 3000 UL/KG CLINICAL OBSERVATIONS	NORMAL SLIGHT FED STAIN MOUTH SLIGHT PLO ERECTION, MUDERATE RED STAIN MOUTH, SLIGHT PLO ERECTIOES POSTURE MODERATE INCTIVE SLIGHT PLO ERECTION, MODERATE INACTIVE MODERATE HANCHED POSTURE MODERATE HANCHED POSTURE MODERATE TACHTRONER, MUDERATE INACTIVE * NO OBSERVATIONS RECORDED. * NO OBSERVATIONS RECORDED.
	(GRAMS)	218.0	S S GHT AMS)	237.0.	SHT MMS)	308.0 308.0 2.790.0 2.790.0 3.69.0 3.69.0
SPECIES: DOBSERVATIONS	UPERATUR	0035743 0017557 0017554 0044225 0049225	SPECIES: UBSERVATIONS WEIG	0035743 0016654 0049225 0049225	SPECIES: (UBSERVATIONS MEIO	00000000000000000000000000000000000000
	TIME	14:15:28 11:55:28 11:55:36 10:54:18	83000688 TIME	8:09:50 14:16:14 11:56:58 10:54:54	63000695 TIME	811456 9135156 9135156 9136156 9136156 9136156 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616 913616
ANIMAL ID: 8300676	DATE	12/01/03 11/30/03 11/30/03 11/30/03 11/30/03 11/30/03	ANIMAL ID: 03000608 0ATE TIME	12/01/63 11/30/83 11/30/83 11/30/83 11/30/83	ANIMAL ID: 63000695 . DATE TIME	12/14/63 12/12/63 12/12/63 12/11/63 12/11/63 12/11/63 12/12/63 12/12/63 12/12/63 11/50/63 11/50/63 11/50/63 11/50/63 11/50/63

•	DEATH MARKED INACTIVE, MARKED REU NASAL DISCHARGE, MARKED DEPRESSED GRASPING REFLEX, MARKED DEPRESSEU RIGHTING HEFLEX, SLIGHT PILU EMECTION MARKED INACTIVE MARKED INACTIVE NO UBSERVATIONS KECONDED.			DEATH MAKKED INACTIVE, SLIGHT PILU ERECTION, SLIGHT TWITCHING, MARKED DEPRESSED GRASPING REFLEX, MARKED DEPRESSED RIGHTING REFLEX, MODERATE INCHEASED SALIVATION	MUDGRATE INACTIVE, SALIGHT FILD ERECTION, MARKED INCREASED SALIVATION, SELON, SELON, BARDORNA MATERIAL PERIANAL, MODERATE CLEAR MOUTH STAIN MARKED INACTIVE, MODERATE BHOWN MATERIAL PERIANAL, MODERATE CLEAR MOUTH STAIN NO UBSERVATIONS RECORDED.
	D REU N IING HE II PILU	1000 UL,		FLEX,M	AL AL ATE BHO CONDED.
640UF: 4040 UL/NE	DEATH MARKED INACTIVE, MAHKED RED MARKED DEPHESSED RIGHTING H MARKED INACTIVE, SLIGHT PILU MAHKED INACTIVE NO UBSERVATIONS RECONDED.	GROUP: 4000 UL/KG	VATIONS	VE, SLIGH SPING RE IVATION	MUDERATE INACIVE'SLIGHT FI BROWN MATENIAL PERIANAL MANKED INACTIVE, MODERATE BK M NO UBSERVATIONS MECOMPED.
MALE AL OBSER	DEATH MARKED DEPRESSE MARKED INACTIVE MARKED INACTIVE MARKED INACTIVE NO UBSERVATIO	RALE	IL OBSER	DEATH MAKKED INACTIVE, SLIG DEPRESSED GRASPING R INCREASED SALIVATION	HATERIA HATERIA INACTI BSERVAT
SEX: F	MARKED MARKED MARKED MARKED MARKED MARKED	SEX:	CL INICA	MAKKED DEPRES INCHEA	MUDERA MANAN NO C
S: D ONS WEIGHT (GHAMS)	246.0	•	HEIGHT (GRAMS)	•	225.0
SPECIES: D SER: MALE GROUP: OBSERVATIONS WEIGHT UPERATUM (GRAMS) CLINICAL OBSERVATIONS	0035743 0069406 004925 0049255		OBSERVATIONS WEIGHT UPERATUR (GRAMS) CLINICAL OBSERVATIONS	0035743 0069406	0049225 006940b 0049225
8300642 11ME	6:10:12 14:20:5a 12:00:06 10:56:00 9:09:50	83000659	11ME	8:07:30 14:22:40	12:00:50 10:59:26 9:11:14
A'11MAL ID: 03000642 DATE TIME	12/01/83 11/30/83 11/30/83 11/30/83	ANIMAL ID: 83D00659	DATE	12/01/03	11/30/83

ם הרגעפ		DEATH MARKEU INACTIVE, SLIGHT PILO EKECTIUN, SLIGHT INCHEASED SALIVATION, 400ER	DEPRESSED GRASPING REFLEX, MARKED DEPRESSED MIGHTING REFLEX Moderate Hundred Postume, moderate Pilo exection, seight Inactive, modera Traitable, seight increased sallmation	MODERATE HUNCHED PUSTUKE, MUDERATE CLEAR MUUTH STAIN + NO UBSERVATIONS RECOMUED.
000		E i	TURE	T C C K
AVIMAL ID: 83000663 SPECIES: D SEX: MALE GRUUP: 4000 UL/KG	UPERATOR (GHAMS) CLINICAL DUSERVATIONS	NACTIVE, SLIG	D GRASPING R HUNCHED POS FASTIGHT INC	MODERATE HUNCHED POSTURE, MUI
¥	3	E C . I	ESSE RATE TAR	AA TE
SEX:	CL IN I	DEATH	MODE	MODE
10NS	(GHAMS)			232.0
SPECIES: D	UPERATOR (GHAMS) CLINICAL DI	0035743	5226900	0049406
8300068		8:04:20 4:24:20	11/30/83 12:02:10 0049225	11/30/85 11:01:34 0069406 11/30/83 9:11:48 0049225
10:) wi~u . —		ام الم
ANIMAL	DATE	12/01/83	11/30/8	11/30/8

	DEATH MODERATE INACTIVE, MODERATE HUNCHED POSTURE, MODERATE PILO ERECTION, SLIGHT RED NASAL DISCHARGE, MODFRATE CLEAR MATERIAL MOUTH MODERATE INACTIVE, SLIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION, SLIGHT INCREASED SALIVATION MODERATE TACHYPNEA, MODERATE CLEAR MATERIAL MOUTH, MODERATE HUNCHED POSTURE * NO OBSERVATIONS RECORDED.	UL/KG		DEATH PROSTRATE MODERATE INACTIVE,MODERATE HUNCHEU POSTUME,MODERATE STAGGERING,MODERATE LOSS UF EQUILIBHIUM,MARKED INCHEASED SALIVATIUN MARKED INACTIVE,MODERATE STAGGERING,MARKED TACHYPNEA * NO OBSERVATIONS RECUMDED.	J UL/KG) ED.
CLINICAL ORSERVATIONS	DEATH MODERATE INACTIVE, MODERATE RED NASAL DISCHARGE, MODFRAT MODERATE INACTIVE, SLIGHT 4U INCREASED SALIVATION MODFRATE TACHYPNEA, MODERATE * NO OBSERVATIONS RECORDED.	SEX: MALE GROUP: 4000 UL/KG	CLINICAL OBSERVATIONS	DEATH PROSTRATE MODERATE INACTIVE, MODERATE HUNCHED POSTUME, MODER LOSS OF EQUILIBATION, MARKED INCHEASED SALIVATION MANKED INACTIVE, MODERATE STAGGERING, MARKED TACH * NO OUSERVATIONS RECUMDED.	9: D SEX: MALE GROUP: 4000 UL/KG DNS WEIGHT (GRAMS) CLINICAL OBSERVATIONS	* NO OBSERVATIONS MECONDED. * NO UBSERVATIONS MECUNDED.
SHT ANS)	222.0	1 2	(GRAMS)	. 505	SPECIES: D FEWVATIONS WEIGHT HATOR (GRAMS)	219.0
OBSERVATIONS WEIG	0035743 0016654 0084799 0069406	SPECIES: D	UPERATUR (GRAMS)	0035/43 0016654 0049225 0049225	UBS	0069406
R SDOOR IC	6:03:30 14:25:32 12:03:36 11:04:26 9:14:16	83000674	TIME	8:05:06 14:27:04 12:04:54 11:05:58	83000677 11ME	11:07:40
<u> </u>	12/01/83 11/30/83 11/30/83 11/30/83	ANIMAL ID: 83040674	DATE	12/01/83 11/30/83 11/30/83 11/30/83 11/30/83	ANIMAL IO: B3D00677 DATE TIME	11/30/83

		DEATH PROSTRATE MARKEU IMACTIVE,MAHKEO INCREASED SALIVATION,MARKED DEPRESSED GRASPING REFLEX, MUDERATE PILU ERECTIUN, MARKED PILU ERECTIUN,MARKED INACTIVE,MARKED HUNCHED POSTURE,MARKED	
		DEPRESSED (
		ON,MARKED ED HUNCHE	!
		D SALIVATI CTIVE, MARK RRITABLE	
00 UL/KG		INCREASES ARKED INA ODERATE I	HOED.
GRUUP: 4000 UL/KG	MEIGHT UPERATUR (GRAMS) CLINICAL OBSERVATIONS	DEATH PRUSTRATE MANKEU IMACTIVE,MAHKEO INCREASED SALIVATION,MARKED DEPRESSED GRASP: MUDERATE PILO ERECTION MANKED PILU ERECTION,MANKED INACTIVE,MARKED HUNCHEO POSTURE,MARKED INCREASEU SALIVATION MODERATE IRRITABLE	. NU DUSERVATIONS RECOMDED.
I: MALE	INICAL O	CEATH PRUSTRATE MARKEU 144 MUUERATE F MARKEU PIL	NO OBSE
S: 0 SE	WEIGHT (GRAMS) CL		329.0
SPECIES: 0	UPERATUR	0035743 0016654 0069406 0049225	9:17:44 0049225
83000679	TIME		
ANIMAL ID: 83000679 SPECIES: D SEX:	DATE	12/01/83 11/30/83 11/30/83	11/36/83

.000 UL/KG				NARKED INACTIVE, MODEMATE HUNCHED PUSTUME, MODERATE PILO ERECTION, SLIGHT	INCREASED SALIVATIUN,MODERATE IRRITABLE 4ARRED MUNCHED POSTURE,MODERATE PILO ERECTION,MODERATE TACMYPNEA,MODERATE	IRMITABLE, SLIGHT INCREASED SALIVATION • NO OBSEMVATIONS RECOMDED.
NIMAL ID: 83040662 SPECIES: U SEX: MALE GROUP: 4000 UL/AG	WEIGHT OPERATUR (GRAMS) CLINICAL OBSERVATIONS			ACTIVE, MODE	SALIVATIUN, NCHED POSTUR	ARRITABLE, SLIGHT INCREASED S
I: MALE	INICAL O	DEATH	PHOSTRATE	ARKED IN	NCREASED Jarked Hu	RRITABLE NO OBSE
o SEX	GH7 AMS) CL		۵.	x	⊷ X	
168: T10NS	MEIGHT R (GRAMS					25
SPECIES: U	WEIGHT UPERATUR (GRAMS)	0035743	0016654	0049225	0049225	0049225
83000682	TIME	2/u1/83 8:12:30 0035743	14:28:24	12:07:54 0049225	1/30/83 11:11:40 0049225	1/30/63 9:21:32 0049225 236.0
10:	1	83	83 1	83 1	63	93
VIMAL	DATE	2/01/	1/30/83	1/30/83	1/30/	//30/

TIME OPERATOR (GRAMS) CLINICAL UBSERVATIONS	DEATH MARKED INACTIVE, SLIGHT PILO ERECTION, MODERATE DEPKESSED GRASPING REFLE! MARKED INFORESSED RIGHTING REFLEX	SLIGHT MUNCHED PUSTURE, MODERATE PILO ERECTION, SLIGHT INACTIVE, MODERATE TOUTTAM 6. STIGHT INCREASED SALTVATION	SCIENT INCREASED SALIVATION, SLIGHT IRRITABLE B NO OBSERVATIONS RECURDED.
(GRAMS)			0.705
OPENATOR	U035743 U069406	90+6900	0049225
1146	12/01/63 6:09:22 0035743 11/30/83 14:28:42 0069406	11/30/83 12:08:54 0069406	11/30/65 11:12:54 0049225 11/30/65 9:22:42 0049225
DATE	12/01/83	11/30/83	11/30/05

MALE

ANIMAL ID: 83000694

O O CONTROLLO DO OSO DO OSO DO OSO DE LA CONTROL DE LOS DEL LOS DE LOS DEL LOS DE LOS DEL LOS DE LOS DEL LOS DE LOS DEL LOS DE LOS DE LOS DEL LOS DE LOS DE LOS DE LOS DE LOS DE LOS DEL LOS DE LOS DE LOS DEL LOS DEL LOS DE LOS DEL LOS DEL

	DEATH MAKKLO INACTIVE, SLIGHT INCREASED SALIVATION, MODERATE DEPHESSED GRASPING REFLEX, MUDERATE DEPRESSED RIGHTING REFLEX MUDERATE FILD EMECTION, MUDERATE INACTIVE, MUDERATE HUNCHED POSTURE, SLIGHT MUDERATE PILO EMECTION, SLIGHT HUNCHED POSTUME, MUDERATE RED STAIN MOUTH MODERATE PILO EMECTIONS MECONDED.	, K G	DEATH MARKED INACTIVE, SLIGHT HUNCHED PUSTUKE, MUDEMATE PILO ERECTION, SLIGHT CLEAR MATERIAL MUUTH MODENATE HUNCHED PUSTUME, MUDENATE PILU EMECTIUN, MARKED INACTIVE, SLIGHT MODENATE HUNCHED SALIVATION MUDENATE INACTIVE, MUDUEMATE PILO EMECTION, SLIGHT INCREASED SALIVATION, MUDENATE CLEAR MATENIAL LEFT EYE MUDENATE CLEAR MATENIAL LEFT EYE MO OBSERVATIONS RECOMUED.	/KG	DEATH PRUSTRATE MANKED INACTIVE,MODERATE PILO ERECTIOU,SLIGHT INCREASED SALIVATION MODERATE HUNCHED POSTURE,MUDERATE PILO EMECTION,MODERATE INCREASED WESPIRATION DEPTH,MODERATE OECHEASED MESPIRATION RATE,SLIGHT INCREASED SALIVATION NO OBSERVATIONS MECUNDED.
CLINICAL OBSERVATIONS	DEATH MARKED INACTIVE, SLIGHT INCR DEPRESSED GRASPING REFLEX, M MUDERATE FILD ERECTION, MUDE RED STAIN MUDITH MODERATE PILD ERECTION, SLIG MUD OBSERVATIONS RECORDED.	SEX: MALE GROUP: 5000 11/KG CLINICAL OBSERVATIONS	DEATH MARKED INACTIVE, SLIGHT HUNCHED P MATERIAL MUUTH MODENATE HUNCHED PUSTUME, MUDENATI NOTERSAED SALIVATION MODENATE INACTIVE, MUDUENATE PILO I MODENATE CLEAR MATENIAL LEFT EYE * NO OBSERVATIONS RECORDED.	SEX: MALE GROUP: SUUO UL/KG	DEATH PRUSTRATE MANKED INACTIVE, MODERATE PI MODERATE HUNCHED POSTURE, NO INCREASED RESPIRATION DEPTM INCREASED SALIVATION * NO OBSERVATIONS RECURDED.
IONS NEIGHT (GHAMS)	231.0	SPECIES: D SERVATIONS WEIGHT WEIGHT GRAMS)		SPECIES: 0 09SERVATIONS AEIGHT UPERATUR (GRAMS)	197.0
DSSERVATIONS NEI OPERATOR (GM	0069406 0069406 0069225 0064225	SPECIES: 1 OBSERVATIONS WEIG OPERATOR (GR	0035743 0016654 0049225 0069486	SPECIES: 0	0035743 0016654 00694225 0069406
T I ME	9:00:42 14:30:42 12:09:56 11:14:02 9:24:06	83DU0644	8:11:32 14:55:10 12:10:48 11:14:56 9:24:58	83300652	8:14:54 14:54:14 12:11:53 11:16:26
UATE	12/01/05 11/30/03 11/30/05 11/30/05	A'IMAL ID: 83DU0644 DATE TIME	11/50/63 11/50/63 11/50/83 11/50/83	ANIMAL ID: 83000652 DATE IME	12/01/83 11/30/85 11/30/83 11/30/83

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SPER GROOM: SOCO OFFICE	UPERATUR (GRAMS) CLINICAL UBSERVATIONS	DEATH MODEMATE INACTIVE, SLIGHT DEPRESSED GHASPING REFLEX, SLIGHT RED STAIN MUDTH MARAEL INACTIVE, MODEMATE HUNCHED POSTURE, MUDEMATE PILG ERECTION, MODEMATE REGISSER LEARGING OFFIFM	DETRIBUTED BANKTING MADERATE PILO ERECTION, SLIGHT INCREASED SALIVATION, MARKED BEFER SSED GRASPING REFLEX USENESSED GRASPING REFLEX	NO OBSERVATIONS RECURDED.		SEX: MALE GROUP: 5000 UL/KG	DOSCRATION NEIGHT NEIGHT OBSERVATIONS	DEATH MARKED INACTIVE, SLIGHT PILU ERECTION, MARKEU INCREASED SALIVATION, MUDERATE AROMN MATERIAL PENIANAL, MARKED DEPRESSED GRASPING WEFLEX MARKED	DEPRESSED AIGHTING REFLEX MODERATE INACTIVE, SIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION, SLIGHT MODERATE INACTIVE, SIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION, SLIGHT	INCREASED SALLVATION/SCLIGHT DIARRHEA Marked Inactive, Moderate Hunched Postuke, Marked Increased Salivation, Moderate Boden Markedia, M	** NO UBSERVATIONS RECORDED.		SEX: MALE GROUP: SUGO UL/KG	WELDRI GRAMS) CLINICAL OBSERVATIONS	DEATH Prostrate	MODERATE INACTIVE, SLIGHT HUNCHED POSTURE, SLIGHT FILD ERECTION, SCLEST	MODERATE PILU ERECTIUN, MODERATE MUNCHED POSTUME, SLIGHT DIAKRHEA * no observations recorded.
S: D ONS WEIGHT	(GRAMS)			241.0	İ	53: D	WE IGHT				228.0		S D LONS	(GRAMS)			211.0
SPECIES: D OBSERVATIONS WEIG	UPERATUR	0035743 0016654 0049225	922600	0049225		SPECIES: D	OPERATOR	0035743	0049225	9069406	.0049225		SPECIES: D OBSERVATIONS	UPERATOR	0035743	0049225	0049225
83000671	T1ME	8:14:54 14:36:28 12:16:00	11:20:36	9:59:58		83000675	TIME	8:04:44	12:19:16	11:22:58	9:31:16	j	83000681	TIME	6:05:42	12:21:48	11:24:28
ANIMAL IU: BBUUU671	DATE	12/01/83 11/50/83 1 11/30/83 1	11/50/83 1	11/30/83		AVIMAL ID: 83000675	UATE	12/01/83	11/50/63	11/50/83 1	11/30/83	1	ANIMAL 10: 83000681	OATE	-	11/36/83 1	11/34/63

MALE

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AND AND ALCOHOLD DESCRIPTION ASSESSED ASSESSED MAKEN

1		CHSENVATIONS	SNO	
DATE	TIME	OPERATOR	MEIGHT (GRAMS)	MEGENT Operator (Grams) Clinical Observations
				ALE
2/14/83	90:91:9	2266	611.0	NO SECTION
2/15/85	85.45.0	0044663		
2/11/83	8:05:46	0002605		NORMAL
2/10/83	11:33:54	0002605		NORMAL
2/09/83	9:42:40	007 3522	299.0	_
2/08/83	9:24:12	9073522		NORMAL
2/07/83	9:55:36	9073522		NORMAL
2/06/83	9:48:36	v073522	271.0	_
2/05/83	9:31:16	907 3522	269.0	_
2/04/83	10:32:16	1053257		NORMAL
2/03/83	9:12:50	0069406		NORMAL
2/02/83	8:47:48	0035743	224.0	
2/01/85	8:40:05	9006900		MODERATE INACTIVE MARKED PILO ERECTION, MARKED HUNGARD POSTURE, SCIONE AND
				STAIN LEFT BYEISCIENT REU STAIN HOUTHWANKE DEFNESSED FULL REFLEX
1/30/83	14:40:26	0016654		MUDEMATE INACTIVE, SLIGHT PILU ERECTION, MODEMATE DEPRESSED GRASPING REFLEX
1/34/83	12:20:34	0049225		MODERATE INACTIVE, MODERATE HUNCHED POSTURE, MUDERATE PILO ERECTION, MUDERATE
			•	TACHYPNEA
	ACCORDO ASSACTOR FOR SELECT	SCCOROS		MODERATE DITO ERFETTION, MODERATE HUNCHED POSTURE, MODEMATE INACTIVE

SEX: MALE GROUP: 6000 UL/KG) CLINICAL UBSERVATIONS	DEATH MARKED INACTIVE, SLIGHT PILD ENECTION, MODERATE CLEAR MATERIAL MOUTH, MUDERATE DEPRESSED GRASPING REFLEX, MARKED DEPRESSED RIGHTING REFLEX	MANAEU INACTIVE, MODERATE DECREASEO RESPIRATION RATE, MUDERATE Increased Hespiration Depth, Sight Pilu Erection, Slight Increaseo Salivatioh, Mankeu Depresseu Righting Afflex Markeu Inactive, Slight Pilu Erection, Huderate Hunched Posture, Slight		SEX: MALE GROUP: 6000 UL/KG I 5) CLINICAL OBSERVATIONS	DEATH MARKED INACTIVE, MUDERATE TWITCHING, MUDERATE DEPHESSED GRASPING REFLEX,	SUPERATE INACTIVE, SIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION, SLIGHT INCREASED SALIVATION	MARKED INACTIVE, SCIENT INCREASED SACIVATION, SCIENT NUMERLO FOSTONES OF INVITABLE		SEX: MALE GROUP: 6000 UL/KG	S) CLINICAL OBSERVATIONS		MIDERALE DEPRESSED ALMING METAN MOUTH, MODERATE MODERATE INACTIVE, SLIGHT ORANGE STAIN MOUTH, MODERATE FREE STEELEN, SLIGHT DEPRESSED RICHTING REFLEX, SLIGHT DEPRESSED RICHTING REFLEX	MODERATE INACTIVE, MODERATE MUNCHED POSTURE, MODERATE PILO ERECTION, MODERATE TRAITABLE	MODERATE MUNCHED POSTURE, MODERATE PILO ERECTION, MODERATE INACTIVE, SLIGHT IRRITABLE	
S: D ONS WEIGHT (GRAMS)			231.0	SS: 0 SIONS WEIGHT				207.0	0 :8:	(GRAMS)	217.0				230.0
SPECIES: D UBSERVATIONS WEIG UPENATOR (GRA	0017557	0069406	0049225	SPECIES: 008SERVATIONS WEI	0035743	0049225	90#6900	0049225	SPECIES: D	OPERATOR	0084799	0069406	0049225	5226800	0049225
83000644 11 <i>HE</i>	17:45:18	12:23:18	9:30:50	83000643 TIME	8:12:06	12:24:50	11:28:20	9:37:14	83000646	1 IME	8:30:36 8:41:50	14:44:58	12:25:44	11:29:20	9:37:50
ANIMAL 10: 93090649 DATE 114E	11/36/83 1		11/30/43	ANIMAL ID: B3D00643	12/01/83		11/30/63	11/30/83	ANIMAL ID: 830006	DATE	12/02/83	11/30/83	11/30/83	11/50/83	11/30/83

SEx:

ANIMAL 10: 83000653

CONTRACT CON

	DEATM PROSTRATE MODERATE INACTIVE, MODERATE HUNCHED POSTURE, MODERATE PILO ERECTION, MODERATE MODERATE INACTION, MUDERATE DEPRESSED RIGHTING REFLEX MODERATE HUNCHED PUSTURE, MUDERATE INACTIVE, MODERATE IRRITABLE, SLIGHT INCREASED SALIVATION * NO UBSERVATIONS RECORDED.		DEATH PROSTRATE MUNCHED POSTURE, MUDERATE PILO ERECTION, SLIGHT INACTIVE, MODEWATE INRITABLE MUDERATE INCREASED SALIVATION NO OBSERVATIONS MECUNDED.		PROSTRATE MAKED INCTIVE, HAKKED DECREASED RESPIKATION RATE, MARKED INCREASED RESPIRATION DEPTH, MARKED DEPRESSED MIGHTING MEFLEX MODEWATE HUNCHED POSTURE, MUDERATE PILO ERECTION, SLIGHT INACTIVE ** NO UBSERVATIONS RECUNDED.
CLINICAL UDSERVATIONS	DEATH PROSTRATE MODERATE INACTIVE, MUDERATE HUNCHED POSTUME, MUDERATE PILI MODERASED SALIVATION, MUDEWATE DEPRESSED RIGHTING REFLEX INCREASED SALIVATION INCREASED SALIVATION NO UBSERVATIONS RECORDED.	SEX: MALE GROUP: 6000 UL/KG	DEATH PROSTRATE MUDERATE HUNCHED POSTURE, MUDERATE PILO INRITABLE, MODERATE INCREASED SALIVATION NU OUSERVATIONS RECUNDED.	SEX: MALE GROUP: 6000 UL/KG CLINICAL OBSERVATIONS	DEATH PROSTRATE MAMKED INACTIVE,MAKKEU DECREASEU RESPIRATIOM RATE,MARKED INCREASED RESPIRATION DEPTH,MARKED DEPKESSEU MIGHTING MEI MODEKATE HUNCMEU POSTURE,MUDERATE PILO ERECTION,SLIGMT II * NO UBSERVATIONS RECUNDED.
IONS WEIGHT (GRAMS)	245.0	SHT THS)	195.0	S: DONG ENGHT (GRAMS)	33.0
UBSERVATIONS WELL UPERATUR (GR)	0017557 0016654 0069406 0069406	SPECIES: U OBSERVATIONS MEIGI UPERATOR (GRAI	0017557 0016654 0049225 0049225	SPECIES: U UBSEAVATIONS WEIGI UPERATOR (GRA	0017557 001654 0069406 0049225
TIME	14:46:36 14:46:50 12:26:50 11:50:04	83Duu654 TIME	17:36:58 14:50:26 11:30:54 9:39:52	83DOU660 TIME	17:41:06 14:47:18 12:27:46 11:51:40
DATE	11/30/83 11/30/83 11/30/83 11/30/83	A JIMAL IU: 830UU654 UATE TIME	11/30/83 11/30/83 11/30/83 11/30/83	ANIMAL ID: B3D0U660 DATE TIME	11/36/83 11/36/85 11/36/85 11/36/85 11/36/83

CLINICAL OBSERVATIONS	DEATH MUDERATE INACTIVE, SLIGHT CLEAR STAIN MOUTH, SLIGHT PILO ERECTION SLIGHT HUNCHED POSTURE, SLIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION * NO OBSERVATIONS RECORDED.	EX: MALE GROUP: 6000 UL/KG CLINICAL OBSERVATIONS	DEATH PROSTRATE PEPRESSED GRASPING REFLEX MARKED INACTIVE, MODERATE DEPRESSED GRASPING REFLEX SLIGHT HUNCHED POSTURE, SLIGHT PILO ERECTION, SLIGHT INACTIVE NO OBSERVATIONS RECURDED.	EX: MALE GRUUP: 6000 UL/KG CLINICAL OBSERVATIONS	PROSTRATE MODERATE HUNCHED PUSTURE, SLIGHT PILO EKECTION, SLIGHT IRRITABLE, SLIGHT INCREASED SALIVATION, SLIGHT INACTIVE MODERATE HUNCHED POSTURE, MUDERATE PILO ERECTION, SLIGHT INACTIVE, SLIGHT INCREASED SALIVATION * NO OBSERVATIONS KECOMDED.
	DEATH MUDER SLIGH SLIGH NO		PROST MARKE SFIEL		DEATH PROST MODER INCRE MODER NO
WEIGHT (GRAMS)	214.0	GHT AMS)	219.0	S: D ONS WEIGHT (GRAMS)	225.0
UPERATOR (GR	0035743 0016654 0049225 6049225	SPECIES: D OBSERVATIONS WELG UPENATUR (GRA	0017557 0016654 0049225 0049225	SPECIES: D UBSERVATIONS WEIG UPERATOR (GRA	0035743 0049225 0049225 0049225
TIME	8:05:24 14:47:34 12:29:16 11:36:14	83000684 TIME	17:56:24 14:48:50 12:50:06 11:32:56 9:45:46	B3D006A5 TIME	8:13:24 14:49:46 12:31:34 11:33:30 9:46:20
DATE	12/01/63 11/30/63 11/30/63 11/50/83 11/50/83	ANIMAL ID: 83000689 Date Time	11/30/83 11/30/83 11/30/83 11/30/83 11/30/85	ANIMAL ID: B3D006AS DATE TIME	11/30/83 11/30/83 11/30/83 11/30/83

GROUP: 6000 UL/KG

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POSSER RESPONDE RESPONDE PROPERTY OF THE PROPERTY RESPONDED TO THE PROPERTY OF
																																			•	
	LONS	NUSE																			SNOI															
	SERVAT	STAIN NUSE																			OBSERVATIONS															
	8	WED.																•	MALE							_		_								
	CLINICAL OBSERVATIONS	St IGHT	NOWAL	NOWHAL	NORMAL	NORMAL	RURMAL	NOMMAL	NOKMAL	NORMAL	NORMAL	NOWMAL	NOWMAL	NOMMAL	NOWHAL	NOMMAL	NORMAL		36X:		CLINICAL	MOUNT	NORMAL	NOMMAL	NUKMAL	NOWMAL	NORMAL	NOKMAL	MOKINAL	MORMAL	NOMMAL	NORMAL	NOWMAL	NORMAL	NON	MOKHAL
€H 7	(GHAMS)	0.944					293.0	•		470.0	271.0			249.0				i	<u> </u>	WEIGHT	(GRAMS)	247					296.0		275.0	940			250.0			
OBSERVATIONS MEI	OPEHATOR	5621.00	77000	1040225	9045404	000000	0073522	9555	0073522	0073522	9973322	0053257	9096900	0035743	2035743	0016654	5226400	·	SPECIES:		UPERATOR	0.0775.33	0049255	0049225	0002605	0002605	5555 100	0073522	007 5522	007352	0053257	006900	0035743	0357	0166	0049225
	TIME	43.40.4			44.60.4	02.00:11		9:22:54		9:34:54				8:33:18	8:23:46	14:51:18	2:34:0		63000669		TIME	9.60.0	04.00.0	0:74:00	8:01:24	11:59:16	9:53:50	9:55:58	9:49:28	4.30.30	10:27:20	9:03:40	8:11:9	:23	4:51:	12:33:56
	DATÉ		12/12/07	10/11/01	12/11/62	12/11/07	20/01/21	12/48/83	12/07/83	12/06/85	12/05/83	12/04/83	12/03/83	12/02/83	12/01/83	11/30/85	11/30/83		ANIMAL ID:		DATE		20/11/21	12/13/03	12/11/83	12/10/85	12/00/83	12/08/83	12/07/83	16/00/03	12/02/03	12/03/83	12/02/83	12/01/83	11/30/83	11/30/83

CLINICAL OBSERVATIONS		LE GROUP: C. CUMTRUL . UBSERVATIONS PILO ERECTION PILO ERECTION
CLINICAL	NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI NOKHAPI	SEX: CLINICAL NORMAL
WEIGHT (GRAMS)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	283.0 283.0 283.0 273.0 240.0
UPERATUR	0073522 0073522 00073522 00073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522 0073522	SPECIES: OBSERVATIONS OPERATOR (GR. OD073522 20 O0049225 O0073522 20 O073522 20 O073523 20
7 I HE	8:01:56 9:21:12 9:21:13 8:01:32 9:21:02 9:22:10 9:22:10 9:27:50 9:17:02 10:27:00 9:03:26 8:23:26 11:25:14	11 IN CO 00 00 00 00 00 00 00 00 00 00 00 00 00
0476	2/14/83 2/15/83 2/11/93 2/11/93 2/11/93 2/10/83 2/00/83 2/00/83 2/00/83 2/00/83 2/00/83 2/00/83 1/30/83 1/30/83	DATE DATE 12/13/63 12/13/63 12/10/63 12/10/63 12/10/63 12/10/63 12/10/63 12/10/63 12/10/63 12/10/63 12/10/63

401mac 10: 03000031	500000	UBSE VATIONS	•	
DATE	1146	UPERATUR	ME I GHT (GRAMS)	CLIHICAL OBSERVATIONS
12/14/83	7:57:18	5555100		. NU JBSERVATIONS RECORDED.
12/14/83	7:54:36	907 5522	305.0	NORMAL
12/13/83	9:52:6	604455		NO KWAL
12/12/63	9:00:50	974479		RO4MAL.
12/11/85	7:59:14	6002605		NOWMAL
12/10/85	11:27:42	0002000		NOFMAL
12/09/83	9:31:59	0073522	309.0	NORWAL
12/08/05	9:51:00	007 5522		NORMAL
12/07/83	9:48:02	U073522		NORMAL
12/00/83	95:05:6	0073522	240.0	NORMAL
12/05/83	9:14:36	UU7 3522	284.0	NURMAL
12/04/83	10:50:04	0053257		NOWHAL
12/03/03	9:04:40	9077903		NOHWAL
12/02/83	8:56:20	0035745	258.0	NORMAL
12/01/85	8:22:54	0035743		NOWAAL
11/30/65	14:52:06	0016654		NORWAL
11/50/83	12:33:02	0049225		NORMAL

Individual Body Weights in Grams 1 g/kg

Males

Animal No.	Receipt	Dosing	Day 3	Day 6	Day 9	Termination Day 14	Weight* Change
83D00641	147	206	237	253	271	262	26
83D00649	160	238	279	304	326	315	7.7
83D00655	160	232	273	292	311	295	63
83D00656	153	242	281	303	323	312	70
83D00665	132	206	243	259	276	265	59
83D00667	154	226	266	289	304	294	89
83D00686	157	247	292	312	332	318	7.1
83D00690	154	241	285	303	323	312	7.1
3000691	135	204	244	263	292	272	68
Mean	150.2	226.9	266.7	286.4	306.4	293.9	67
Standard Deviation	10.3	17.2	20.4	22.3	22.4	22.4	9•9
Std. Error of Means	3.4	5.8	9.9	7.4	7.5	7.5	2.2
*Dosing to	*Dosing to termination						

Appendix F-1

Weight* Change

KARAN AZAZZA KARAKAN KARAKAN KARAKAN KARAKAN

		Individual Body Weights in Grams 2 g/kg	Body Wei 2 g/kg	ghts in (rams	
			Males			
Animal No.	Receipt	Dosing	Day 2	Day 6	Day 9	Terminatio Day 14
83D00647	162	228	238	273	294	288
83D00648	149	219	242	275	295	288
84D00651	145	190	193	230	247	233
84000657	164	236	237	275	303	289
83D00662	149	242	238	283	305	309
83D00666	157	232	Dead	ı	ı	1
83000680	162	214	192	213	231	239
83D00683	150	213	230	260	287	278
83000687	166	252	Dead	l	1	•
Mean	156.0	225-1	224.3	258.4	280.3	274.9
Standard Deviation	7.8	18.5	22.0	26.6	29.2	28.2
Std. Error of Means	2.6	6.2	æ •3	10.1	11.0	10.6

*Dosing to termination

0.9

15.9

Individual Body Weights in Grams 3 g/kg

Males

Animal No.	Receipt	Dosing	Day 2	Day 6	Day 9	Termination Day 14	Weight* Change
83000633	165	233	Dead				
83D00635	141	215	225	258	275	273	58
83D00636	129	198	Dead				
83D00645	145	237	Dead				
83000658	159	230	Misdose				
83000673	160	248	238	270	288	281	33
83D00676	150	218	Dead				
83000688	167	237	Dead				
83D00695	163	249	241	290	305	308	59
Mean	153.2	229.4	234.7	272.7	289.3	287.3	50.0
Standard Deviation	12.8	16.5	8.5	16.2	15.0	18•3	14.7
Std. Error of Means	4•3	5.5	6.9	6.3	8.7	10.6	8.5
*Dosing to	*Dosing to termination.						

Appendix F-3

Individual Body Weights in Grams 4 g/kg

Males

CONTRACT TO SECURITY CONTRACT SERVICES CONTRACT TO SECURITY TO SEC

Animal No.	Receipt	Dosing	Day 3	Day 7	Day 10	Termination Day 14	Weight* Change
83D00642	162	246	Dead	1	1	1	1
83D00659	159	225	Dead	ı	ı	1	1
83D00663	162	232	Dead	t	ı	1	ı
83D00672	155	222	Dead	ı	ı	ı	1
83D00674	137	205	Dead	ı	ı	ı	ı
83000677	147	219	Misdose	ı	1	ı	1
83D00679	157	229	Dead	ı	1	1	ı
83D00682	160	236	Dead	ı	ì	1	ı
83D00694	142	207	Dead	ı	1	1	1
Mean	153.4	224.6	i 1 1 1 1 1 1 1				
Standard Deviation	9.5	13.2	ı	ŧ	1	ı	ı
Std. Error of Means	3.1	7.7	ı	t	ŧ	ı	1

*Dosing to termination.

Individual Body Weights in Grams 5 g/kg

ales

Animal No.	Receipt	Dosing	Day 2	Day 6	Day 9	Termination Day 14	Weight* Change
84D00637	153	231	Dead	1	ı	1	1
84000644	159	242	Dead	1	ı	ı	1
84D00652	134	197	Dead	ı	ı	1	ı
84000668	158	239	225	270	300	298	59
84D00669	134	212	Dead	1	1	1	•
84000671	170	241	Dead	1	ı	1	ı
84000675	147	228	Dead	1	ı	1	1
84000681	191	211	Dead	1	ı	ı	1
84D00697	148	232	224	271	299	299	29
Mean	151.6	225.9	224.5	270.5	299.5	298.5	63.0
Standard Deviation	12.1	15.7	0.7	0.7	0.7	0.7	5.76
Std. Error of Means	4.1	5.2	0.5	0.5	0.5	0.5	7.0
*Dosing to termination.	ermination.						

Appendix F-5

Individual Body Weights in Grams 6 g/kg

PROCESS CONTRACTOR AND THE PROCESS OF THE PROCESS O

Males

Animal No.	keceipt	Dosing	Day 3	Day 7	Day 10	Termination Day 14	Weight* Change
83D00640	163	231	Dead	ı	1	t	1
83D00643	140	207	Dead	ı	ı	ł	1
83D00646	155	230	Dead	1	1	1	ı
83D00653	164	245	Dead	1	ı	1	1
83D00654	146	195	Dead	ı	1	1	1
83D00660	163	233	Dead	1	ı	•	1
83D00664	137	214	Dead	ŧ	ı	•	1
83D00684	153	219	Dead	ı	1	1	1
83000685	148	225	Dead	ı	1	1	
Mean	152.1	222.1	ı	ı	1	•	1
Standard Deviation	10.1	15.1	1	ı	1	ı	ı
Std. Error of Means	3.4	5.0	t	l	t	1	1
thouthouth termination	rmination						

*Dosing to termination.

Individual Body Weights in Grams Cage Control

Male

Weight* Change	ı	ı	1	ı	1 1	ı	ı	ı
Termination Day 14	305	283	269	287	289	286.6	12.9	5.8
Day 9	309	290	288	296	293	295.2	8.3	3.7
Day 6	290	273	270	275	270	275.6	8.3	3.7
Day 2	258	240	253	250	249	250.6	9•9	3.0
Dosing	,	1	ı	1	1		1	1
Receipt	161	149	153	164	152	155.8	7.9	2.9
Animal No.	83D00634	831100639	83000678	83000689	83000696	Mean	Standard Deviation	Std. Error or Means

* Dosing to termination.

CONTRACT CONTRACTOR CONTRACTOR DOCUMENT CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR (CONTRACTOR)

Individual Body Weights in Grams
1.78 g/kg

Animal No.	Receipt	Dosing	Day 7	Termination Day 14	Weight* Change
84000918	134	155	209	204	49
84000930	125	140	180	168	28
84D00933	128	145	192	191	46
84000934	156	170	Dead	-	-
84D00938	151	167	Dead	-	-
84D00940	150	160	209	201	41
84D00943	157	175	211	201	26
84D00949	156	166	196	185	19
84D00951	149	163	205	187	24
84D00969	161	176	Dead	-	-
Mean	146.7	161.7	200 • 3	191.0	33 • 3
Standard Deviation	12.9	12.0	11.5	12.6	11.8
Std. Error of Means	4.1	3.8	4.3	4.8	4.5

^{*}Dosing to termination.

Individual Body Weights in Grams 2.37 g/kg

Animal No.	Receipt	Dosing	Day 7	Termination Day 14	Weight* Change
84D00917	155	174	210	206	32
84000919	150	163	196	188	25
84D00926	149	167	Dead	-	-
84000946	151	165	Dead	-	-
84D00947	136	148	188	169	21
84000948	164	176	219	209	33
84D00952	157	185	Dead	-	-
84000955	136	150	Dead	-	-
84D00964	158	173	Dead	-	-
84D00968	152	169	Dead		
Mean	150 • 8	167•0	203•3	193.0	27 • 8
Standard Deviation	9.0	11.4	13.9	18•5	5•7
Std. Error of Means	2.8	3.6	6.9	9.3	2.9

^{*}Dosing to termination.

INTERNAL RECEIPER PRINCES SERVICES RECEIPER

Individual Body Weights in Grams 3.16 g/kg

Animal No.	Receipt	Dosing	Day 7	Termination Day 14	Weight* Change
84D00920	153	167	198	196	29
84000922	144	167	Dead	-	-
84D00931	148	163	Dead	-	-
84D00944	157	171	Dead	-	-
84D00945	157	173	Dead	-	-
84D00950	164	185	Dead	-	-
84D00956	159	162	Dead	-	-
84000957	156	165	Dead	-	-
84D00960	162	181	238	234	53
84D00962	127	139	Dead	-	-
Mean	152.7	167.3	218.0	215.0	41.0
Standard Deviation	10.9	12.5	28.3	26•9	17.0
Std. Error of Means	3.4	3.9	20.0	19.0	12.0

^{*}Dosing to termination.

Individual Body Weights in Grams 4.22 g/kg

Animal No.	Receipt	Dosing	Day 7	Termination Day 14	Weight* Change
84D00928	170	185	232	222	37
84D00929	165	188	Dead	-	-
84D00935	159	177	Dead	-	-
84D00936	153	171	Dead	-	-
84D00937	154	172	Dead	-	-
84D00941	157	176	Dead	-	-
84D00958	154	174	214	206	32
84D00965	147	170	Dead	-	-
84D00966	154	166	Dead	-	-
84D00967	179	202	Dead	~	~
Mean	159•2	178.1	223.0	214.0	34.5
Standard Deviation	9•5	10-7	12.7	11.3	3.5
Std. Error of Means	3.0	3•4	9.0	8•0	2.5

^{*}Dosing to termination.

Individual Body Weights in Grams 5.62 g/kg

Animal No.	Receipt	Dosing	Day 7	Termination Day 14	Weight* Change
84D00921	150	165	Dead		_
84000923	150	161	Dead	-	-
84D00924	162	174	Dead	-	-
84000925	160	177	Dead	-	-
84000927	155	171	Dead	-	-
4D00932	170	188	Dead	-	-
84000939	130	142	Dead	-	-
84D00942	158	171	Dead	-	-
84D00961	152	163	Dead	-	-
84000963	160	177	Dead	-	-
Mean	154•7	168•9		_	-
Standard Deviation	10.6	12.3	_	-	-
Std. Error of Means	3.4	3.9	-	-	-

^{*}Dosing to termination.

Pathology Report Combined GLP Study 83016 and 84016 Oral Lethal Dose (LD50)

ID#: GLP Study 83016 and 84016.

Substance: Oral lethal Dose (LD50) Test in Rats of (E) 1, 2, 3, 4, - Tetrahydro - 6 - Methyl - 1 - (2-Methyl - 1 - Oxy - 2-Butenyl) Quinoline (CHR5)

History: Study 83016 was done on male Sprague Dawley Rats. Study 84016 was done on female Sprague Dawley Rats. Both studies were done IAW LAIR SOP OP-STX-36.

DOSE TABLE - Table 1

Male	Rat		Female		
Group#	#Animals	Dose (gram/kg)	Group#	#Animals	Dose (gram/kg)
Control	5	0			
1	9	2	1	10	1.78
2	7	3	2	10	2.37
3	8	4	3	10	3.16
4	9	5	4	10	4.22
5	9	6	5	10	5.62
6	9	1			

Gross Pathology Findings:

Male Rats: Nine rats died within the first 12 hours after dosing. Twenty additional deaths occurred in the second 12 hours. One more rat died during the next 24 hour period.

Female Rats: Eleven rats died within the first 12 hours after dosing. Twenty-three additional rats died within the second 12 hours. One more rat died wihin the next 24 hour period.

The remaining male and female rats survived until they were killed at the conclusion of the study.

Gross Lesions Males: Multiple petechial hemorrhages were present in the glandular portion of the stomach in most of the rats that died naturally. Focal red areas were

Morgan--86

Pathology Report GLP Study 83016 and 84016

present on the scrotum (0.5 to 1.0 cm in diameter) of many of the rats. Wet muzzle and lacrimal secretions were present in all animals that died naturally and were considered to be the result of nonspecific agonal events. No drug related lesions were present in the males killed at the end of the study.

Gross Lesions Female: Most of the females that died had 1 - 2 mm, multifocal petechial hemorrhages in the surface of the glandular mucosa. Black tarry mucoid material was present in the small bowel of two rats. The lung pleural surface was reddened in several rats and one rat had dark brown fluid in its urinary bladder. No drug related lesions were present in the females killed at the end of the study.

Incidence Table - Table #2

Male						Female						
Group#	Control	1	2	3	4	5	6	1	2	3	4	5
Rats/Group	5	9	7	8	9	9	9	10	10	10	10	10
Deaths	0	2	4	8	7	9	0	3	6	8	8	10
Petechiae Stomach	0	2	4	8	7	7	0	2	5	7	7	9
Sm. Intesti Mucoid Mele		0	0	0	0	0	0	1	0	1	0	0
Lung Discolorati	lon 0	0	0	0	0	0	0	0	2	2	5	3
Scrotal Reddening	0	1	4	8	6	5	0	NA	NA	NA	NA	NA
Dilated Rer Pelvis	nal 1	2	1	0	1	0	1	o	0	0	0	0
Brown Fluid Bladder	0	0	0	0	0	0	0	0	0	0	1	0

Conclusions:

Drug related deaths of both males and females followed a dose response curve. Petechial hemorrhages were drug related and only found in the gastric mucosa of animals that died. Scrotal reddening of males was also drug related. It is possible that the mucoid melena, brown urinary fluid and reddened lungs seen in the females are

Pathology Report GLP Study 83016 and 84016

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drug related; however, it is likely that they are unrelated incidental findings. Dilation of the renal pelves seen in the males are undoubtedly incidental unrelated findings.

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LTC, VC

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